

agcgagaaaa gcgggctaag ccaaaaatca ctaacgtgcg ctaagcggtc cataagtgcg 240
 ctaagcacac gagcacaaaac aaggccacct agttaagcct gaaatcagat tttgtgaagg 300
 gagtttggac taggattcag agctttgcat gtctaggggtt tctagagaga gaaagtccaa 360
 gttctagaga gttttgagag 380

<210> 31714
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31714

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 cagtacacac ttccgccatg gcttttgctt tggctaacag acgcggggagg tcttgacttt 180
 catttaaggt caaggcgaac ctatccatcc acatagtcgc ttcttgatct acgcatccat 240
 cccctccctc ttgcttcttt ttgggcatac acttggtgcaa aatccaccac tagctattgt 300
 tcatggggcca tggactgcgt caattcttca ttgtattgcc ccatgatagc taccatgctt 360
 tgctccaggg ctctcaagtg ttgagccaaa ctcttcttgg acctcgtgca agcaactaac 420
 tcttctttta atatcatgcc atgcacccgc gacc 454

<210> 31715
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 31715

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 tttatacacg gatgtccggt tgagtccggt aatatatcga gacgctccaa attgaaaacg 180
 gaaactctta gaaaattcaa acgacaataa ctttttactc ggatgcccga cagagtgtcg 240
 taatatatcg agagacgctc catattgact atgaacgctc gtatcatatg taaacgacaa 300
 taactttata ctgagatgtc tgatagagtc ccgtaatata tcgagacgct caaatttttag 360
 atccgaagct ctgagaaaat tg 382

665101 = 301.42460

<210> 31716
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31716

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 aagttattgt cgtttgaatt ccctacgagc ttcccttttc aatttggagc gtcttgatct 120
 attacaggac tcaaccggac atccgtgtat aaagttattg tcatttcaat tttctcagag 180
 cttcggatct aaattttgag cgtctcgata tattacggga ctcttcacac atccgctaaa 240
 aagttaatgt cttttgaatt tgatacgagc ttncgttttc aatttggagc atctctcgat 300
 aaattacgac actctgtcgg gcatccaagt aaaaagttat tggcgttcga attctctaag 360
 agtttccgtt ctcaatttgg agcgtctcga tatattacgg gactc 405

<210> 31717
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 31717

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 atttttgttc attactaaac aagctgaaat taatcacaat cacaagcaag atgtcctaac 180
 tacatgcaag aaataaaaaat gaagatagag aagggaaaga aaaactgggt tgcctcccag 240
 taagcgcttc tttaacgtca ctagcttgac gcatcatcct gttatccagg atccaataat 300
 gttcccactt caaggacctt cttctcagga cttctatcct ctatcacatg aac 353

<210> 31718
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31718

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tgactctttt cttgagtcctt gactcttgat cttgattatt cttgattcctt gattcttgaa 120
 acttgaaact tgattcttga attgttcttg actcaatctt gaagtcattc tcttgngctt 180
 tttgtcatca tctgtgttat catcaaaaca ccttgaatca atcgcgacct atcatctgaa 240
 tcaatcttga ttcattgactc aatcttgatt caatcatgaa gcttgcttct gcacttatgc 300
 gtcattgtctt agaggatctc ataggttagat ttgtagtgtt ctattttgat gatatttttag 360
 tgtacagtac gagccttagat gatcacttac gacatntcat gccagttctt tcagtcctta 420
 ngaaaaacac tctctatgca aatat 445

<210> 31719
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 31719
 agcttcaagc aaggcttcat ggtgaatgtg attcaaaggc gtttcgatga taacaatgat 60
 gacaacaaaa gatgatgact aagggtgatga acaaaaagct caaagatcaa agaaaaactt 120
 aagtgaatca aagaacatct caagtgaatc aagaataaag attcaagatt caaaatctca 180
 agaatcaaga tcaagattca agactcaaga tttaagaatg aagaaaagac tcaatcaaga 240
 taagtattaa aaagtttttt caaaactctg aatagcacat gagtttttga caaaaccttt 300
 accaaagagt ttttactctc tggtaattga ttaccatatt ggtgtaatcg attaccagta 360
 tcaaaatgag ttgaaaaag ttttcaaact gagtttaca 399

<210> 31720
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 31720
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 actgatcttc cttcccgga tgcttctatt catgtccgct tgagtgggct tatagcctaa 120
 accatacttt ccacgatttg cttgggtatt tatcacgcta gttatgccgc cgttgtcttt 180
 gcctaaaccc atcccggtt cataaccgtt cccaacata actcgggcca tgactccgct 240
 gcatcgacag acaatgctgc ccaaagagg agtccacgga cgaaatgctg accacctcag 300

aagactggaa agcggcttct aacgattctt gtgcggcttc cacataacgc atggaggatg 360
 ggcagcttac caagatatct atctcgctg acacgatgac caagtgctcc tccactacga 420
 atttcaac 428

<210> 31721
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31721

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 ggattataga caactatgct ggacttcgag tagctagatt tgggtggact tggacttctc 120
 tttatttggt acctaattat agacaactat cactatccta ctctcttggt acacaataga 180
 agttgttacc aaaagaaaaa gaaaaatggt tgtaggggag tataattggt ttccaatggt 240
 agtcattata tgccctttga atgccaatac taaaagcaaa gtcattgacat tgggcttata 300
 ctttttacag aggaacctaa acatgggttg catcatgggtg ttgccatagt ttttgccatt 360
 ntactactgg ttgcaggana ttcagtagca aacttttg 398

<210> 31722
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 31722

ctaccagaca gatcagccaa aagtgtcga gctggcccct acaaattaaa ttgaagaaat 60
 aaaggggaat ttagttttca gctgcacaac tgaatcagta tgaagttaat ataacagaag 120
 cacatgtcaa ttactttaac aagcttacct gcaactgtgtt gtagcaagg tccagcatcc 180
 agaaccaag aataaataga agagcagccc ttgttcgggt ccctttaaat gttcttaatt 240
 tcagacagaa tttcattaat gtctaactaa ggtcatcata tctgtgaatt ttaaaaagac 300
 agaaataaaa tgagtaacga aataacgaaa ggatgagata agaaacctgc aatgctcgtg 360
 tgtatcacct aatacatatc caatgtctgc agaacatccg attaatatca cctacattac 420
 aagacttgac ttaccatag tgtaatgtag cat 453

<210> 31723
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 31723

agcttgtgat ctattacaca agtcttgtaa tgcattacca gaggagattt tcagaaaata 60
 atttccaaga gtcacatcta ttcaaatggg ttatgaatgg ccatcaaagg tgacttgga 120
 acacgaattt aaagagagtt ttcatgccc acaaagttaa tcctctcaaa agattaagag 180
 tttttctgaa ctgaactgtc ttatcctctc aaaaagattc cttgggtcaac cacttgcata 240
 ttcaataagg aatttttgatt ggtcttcatt gtacaatcta tcccttttaa gagagatttc 300
 ttcttctctt cttcttactt ctgaaaaggg attaagagac tgagagtctc ttattgtaga 360
 ggattcttga acaca 375

<210> 31724
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31724

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 ctttgtcacg ggaagccgga aggtccatat caccttctta attgtacata tggggcactg 120
 cgcccccaaa tgcgcgagta agaagagata atttccggg ctctcgtgtc cgtaaaatgc 180
 attcatatca tgcaccgcat aaacatctct tcagcatcat aatgaacata tcgtcctgca 240
 tttgtcgtaa tcacattccc attttgcattg agtcattgca tcatcatatg cgttcaacat 300
 actttttgtt tgctcataca taatccttgt attttctctt acaaaacaaa aacaaaaaaa 360
 agggaagtac aaaaattcac gcagcattct tagttgcata tattccgtac catgagccaa 420
 ccatgttggg atcataaacc catttcacaa cacaacaa 458

<210> 31725
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31725

agcttatgcc cactcagtgaggacaattg ctctaatttt tttgccatac ccctatTTTT 60
 caatacaggt aaaagaattg ttgtaggtag atgaggcaat ttgtggtagt aaattgaagt 120
 gaatgaagtc tcagaaaatt cgtattgagt cggatttctt agaaaacaaa taattgaata 180
 acaagaactc gtatatcata tggctattat tggattccta aaaaaataaa aaaatatata 240
 gagataaaag cttctcggaa taatttatTTT aaatttataa tcacgggtata tttgatttac 300
 gtaaaagttg aaatatataa attagaaaat ataattacag agagaatgta cgaatttaac 360
 tcaagatatt taatgtgtat tttttcattt ata 393

<210> 31726
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 31726
 ctaacaactt ccaattgact atcttcattc tagaaaaaca acttttgata aactatcgaa 60
 gtcacaacac caattccatg gatccattcc ttgcctaaaa aattattgaa actggcctgt 120
 gaaggaataa ccacaaagat agttggcctc ctcaaacttc caacaaaaaac ttctagtgtc 180
 atcatcccat caattgctcc ttatacttag taaggaggat caaaatcggt ctagcatatc 240
 ttctaaaaat catcaaaacc agatttataa gtatcaatca ccatttcttc tacagtttca 300
 tgcattgggt ttgagtgtt ctttagaatt tgaatccttg cttttgttga ttgctctgtt 360
 gattctccaa agccaacttc ctcacccttt ggttacgcct ccattgagtt ttgttcatgt 420
 ttttgaacct tgaagcacta tagtaagcca tccttg 456

<210> 31727
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 31727
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 aggtgtgtgag agcttatattg ggtgtcgcac tgcctacca tccggatatg cttgagcact 120
 gatactctgc catcgaatat aaaacatctg cggagtgccta aagacagaat gacttaccac 180
 caaaagtatg acatcaaacg actgtctcct taggatgaaa gtgatactcc atttttgctt 240

atgatgcgga atataccaag gaagttcacg tatcttgaga agatattcac ctcaatactt 300
 gattaaggat tgattgattc tagagggtggg caaaatcggg gctgaattgg ttaatgtaag 360
 agtcgtgacc aatgtcctaa tatactagct cacagatct 399

<210> 31728
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31728

acgggtccccc eggcgcncnc cgcttttgac ccttttagtta gnatccganc tccttgcacg 60
 atacacctcg acaacttcag tctggagctg gataagtgtc ctggcatact tttgttcaga 120
 ttattgatca aactagatgg gcgtgtattc ttggcgatta cctggcgcgc catagtnatc 180
 taccatttgt tcatatgctg tcaactgatgt cggcatctaa ttataccttt tggatgtgga 240
 aagctgttat aagtcgtaaa cctatatcca cacaccgcca ttatgttaat cctactttga 300
 tcatacgccc tcccgcctcc tgacctcgca tggaatgaca ttatacgaa cgtgtgtcct 360
 cgaccctagt atggtggata gagacatgtc ctttcggatg ctgcattgat cacattcttg 420
 cttaaagcgc atgtcacttg ttaccattag tatttagtac ctcatagaac cctccgtag 480
 tgcctatagt accacttgac cctagagact tacn 514

<210> 31729
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 31729

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 taatgtggag ttcacaactg tctgactgtc tgtctctccc agaatacca tagttttttg 120
 taagacttgg gttgatactg aaacttgtgc tttcttaca ggtaggttg tgccatatat 180
 atagatgagt tttaatatca gtgttgatt ttttaaagat tgaaaatacg tatgcacatg 240
 ctttctgtat gtgttgctca ctacacgaat gacatgacat gctttagctt gcatcagatt 300
 tgcatatgta gtcagtctgt gtacggctct ttcacgcgtt ttatgttaat gcagacaaca 360

atttatcata cacgattttc cacaatgtgt a

391

<210> 31730
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31730

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tcaaataataa actgattagt taggctaaca atactgataa aatatcttat catatataaa 120
ttctatcaca ctcccgcagt cgaagcgaga ggtcgatgaa cacgaacact atgactgtct 180
cgaactggac cggggaccat ggccactaat tttttatttt tttcagaacc ttgtaatatc 240
agacnggctt ccccggttgt gttgggtctga atgagagana tttgagtcac aaatggatta 300
tgaggtagcc accattgccc atccggcttc ctcaagtatg agcatcaacc gagcctgata 360
aaacgaaggt tgatgatcac tctgctgaat taacatcctt acacctcgat atgcacttgt 420
gagacccgaa acaagttgaa tga 443

<210> 31731
<211> 389
<212> DNA
<213> Glycine max

<400> 31731

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gctttcggca agacttatgg aaagatctta gaattgacct tagcagaggt atccatagaa 120
gccattgcat cactcaccca atactacgac cagcctttga gatgcttcac attcggagac 180
ttccaattag taccaaccat tgaagaattt gaggaattc taggatgtcc tctcggggga 240
agaaaacat atctttcatc cgggtgtctc ccctctttga gcagaattgc aactgtggtc 300
aaggattcag caagaggttt ggacagcata aaacagactc ggaacggcat ggcgggccta 360
ccacggaggt acctagaaga caaggcgag 389

<210> 31732
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 31732

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 acgatccctt cacatataag atgagatctt atgtcattta ctacttggcg tctcccgttt 120
 ccacatttga cacatggata gaaaaatttc ccccgcaaag atgggtgcatt acatttagta 180
 aattatagga attcttcaac accattctca tattcttttag ttatacattc gctttcatcc 240
 agtttgatcc atgtttcccc tttgatgtga cacttgatta agttatctga catgcatgan 300
 aacctcactt tnttaattaa aggtgtggcc ctatcccatt caggaagaca ttgttttagag 360
 tagatttata ataattatat tttgttaatt ctgactaaat ttcgatagca attcgcatg 420
 gtctccaagt acactacatg 440

<210> 31733
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 31733
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 caaatgatga atcatctttg aatcatctat ctttcaatct ttacaacatc atccctcaac 120
 atctttcaat caatctttca atatctttct acagaatttt ctgattcatt tctcttcac 180
 ttctaaaagt ttttgatcaa cactttctct tccaagaaaa gttctttgtt caaaaacttg 240
 tgctattcat ctttttcatt cactttctcc tttgcaaaa gaacgaagga ctaaccgcct 300
 gaattctttt gtgtctctct tctcccttac aaaagattca aaggactaac cgcctaagaa 360
 ttcttttgat tcttccctta cccttaagca aa 392

<210> 31734
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31734

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 cctttccttg ttttgaagct cactacaagc cttaaataagaa aaacctatgat atcaccatat 120

ctttaaggaa ttttgagct ttggaattgt tttgggaata agtgtggggg gtttttttgt 180
 ttcatgggat aacttgtttt gtggctatg ctctgtgatg tattttgcgc atacttgatg 240
 acattgtata ttgggttaa atgtggacatg ctgaatgaaa tgttgtttct caaaggctat 300
 aaaaaaaaaat tcgaacaaga agaagaagaa gacaagcaat aaagttgagt gaataagatc 360
 ttanatggca caagaatgat gaaactcttg gttctactct ttatgntac attttatctt 420
 tacttctttc tattttctta ttcttctctt a 451

<210> 31735
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 31735

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 ctaagccttg tctaggaaga aggatttgcg cccactgtgc atgcttacat ttcacatcga 120
 aattgccacc aagtccaaca gcgtgcgaca tactaggatt cccattctgg ataaggagcg 180
 ctcccgagaa tgaatggccc cccgtcggat cctgatacct caactgtgag agatctgcaa 240
 gttgcttatg gagttccctt tctagatcat taccacttag atcatgatat tgacaatga 299

<210> 31736
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31736

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 cgattctttc atgtagtcta actttaagta tacatagaga tcttactttt ggtgatatag 120
 gatcttttaa tatagtccaa ctttcacttt tcacattgca gctttcgacc ttacacatct 180
 aactattgat actctagcta atattagttg agcctctgcg atcgaccca acgagaatca 240
 tactcattgt acatggtttg agaccatgag tccataaact aatactgagg aaagcattgc 300
 atcatagtgc atgttttgag accatgagct caaccctacc tatacgtcta actacatgac 360
 cacatgagcg aactcagana ttagtatatc ctatattatt atcatcatgc gctacatgac 420

aaaagagaat

430

<210> 31737
<211> 389
<212> DNA
<213> Glycine max

<400> 31737

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aaccaaccag tttaaacttg aacactaata ctttgtcatc aaatatagta ttactgtgga 120
ctgcaaaatc ggaaggagct aaagcagaag aaagatgaaa tcaaaagaaa atctccttaa 180
gaataaagtt aaactccatt attgcttatg atacaaaata tacaaggaa gttcacgtaa 240
cttggaaga tattcacctt aatacttgat taagtattta tttattttta agttgggtaa 300
aattggtttt gaattgttaa atgtaagagt cttgaccaat gtcctaatat acaagttaag 360
agatcaacaa tagaaagctt ttattgaaa 389

<210> 31738
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31738

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ggactttata tctattttgtg gttttaatgg tgtgagtgag ataaattatt tgtacatatg 120
ctgtcaatga tgttggcatc tacttcacac ttttggatgt ggagatttat tataaattgt 180
aaacctatat ccacaattcg acattagggtt aattttacct tgatcaaact ttttgctctc 240
tgtgtattgg ctggagtgcc caaattttca aaaatgtatc tctgacccta ttataatgga 300
ttgagaaata gtttttttgt catgctgaga ttggatagct ttcttgcat tagaacctct 360
ggcactttgt tttctattaa tttatttagt tattttgaaa gatccccctt cgta 414

<210> 31739
<211> 323
<212> DNA
<213> Glycine max

<400> 31739

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aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctacaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggccatcc 300
ctcagcaaca acaacaacaa cct 323

<210> 31740
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31740

gaaggtagtc atacctcaca caatatatat atatatatat atatatatat atatatatat 60
atatatatat acatatatat atatatatat atatatatat atgtgtatac gtagagagat 120
accttgatg tgcgtgtgtg tagcacaaaa aatatcacac aatatatata tgtgtgtata 180
ggtagcgaga caccgcggat atgcgtgtat atagcanata tacgcacacc acataatacg 240
tgtgtgtatg tcgcaagata cgtgagacac acatgtatat agcacaatac ctcacacata 300
tatacgtgtg tttaggtaga aagactcttc gtgacaaaag agagagcgcg cgagangaga 360
atcagaagac aaaatataga gagagatagc tatacacata tataacatat aataggcggt 420
gtctagctaa aacacaacat gcttgagaaa g 451

<210> 31741
<211> 360
<212> DNA
<213> Glycine max
<400> 31741

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tggaggaatc ttctggaggg cccaagtggg cctgattact atttgcaccc ccatttttac 120
taagtacacc cccctgcctt ttttttggtg attctttttt cgtaaagtta cgaaacttac 180
gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc ggattacata 240

atcatcccct ttttgactta cggaatgtta cggaacctca ctaattgtgc aacgatgctt 300
ccttttgatt tccgggtgcgt cacggaacct tccggattgt gcatcaatac cttcttttga 360

<210> 31742
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31742

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caagaactct ggatttggtc cgaccatgcc ctccctgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacga gcataatgta aacctttacg gttntaaaag 180
ctctatagtt gggcctagtc tntagagttt tcattntggt aaggctctgt gctctttggt 240
tctgaattta taatacaagg atctttcttc atctgttcct agtctctacc cattctcatt 300
catttgcatg ttnttcttan acggcagatt cgatgacgag tccccgaag gtactaatac 360
ctgggacccg tctatcaact tcgagcaaga aatgaaccaa acggaagatg aacgagatga 420
ggatgtggga ctttct 436

<210> 31743
<211> 390
<212> DNA
<213> Glycine max
<400> 31743

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tttgattatc ctgctttgat gaatgagaaa gctggggcaa atgaagagaa tgaaaaggag 120
ggaggaaccc atgctgtgac tgtcgttcct acatggccaa atttcccacc agctcaacaa 180
tatcaatacc tagctgatgt gtcattatct tttcctatct cttaaccctt tttgtcacca 240
ttttaattac taattagcct taattgtcaa attaattatg cagttttatc atttgggcct 300
actggactaa ttttgtgttt taatttaatt tcaagagaat tataagcaat tgggcttgaa 360
tccagaattg ggcttggact tgaagagagc 390

<210> 31744
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31744

tctgtccctg aganactggt tcccagaaga caacagggag tgaagattgc tgaaaaccct 60
agccttgcaa caagtcctag ggaagtagac acggagatgg acaagaaaat ccgcagtatt 120
gtgagtagca ttctgaaaga tgcttctggt cctgaagctg atgaagatgt cccaacatcg 180
tccaacccaa atgtttctgt gctgatggt gagaaagatg ttccaacatc ttccgcccaa 240
atgctgagta ctctcttccc ccagcaaaga gagatcaaca gaggaagatg atcaagcgac 300
aaaggagacc cctgcaccaa gggcaccaga acctgctcca ggtgacctca ttgacctgca 360
agaagtagaa tctgatgagg aacccattgc caacaggttg gcacctggcg ttgcagaacg 420
attacaaagc cg 432

<210> 31745
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31745

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attaagggat tttttgcctt atcttttacc attatgggtca attaagacaa tcacgatttt 120
ctttaattat tttatgacca tttttcttta aatgttttaa ttacaatcta tttattttta 180
tttcttttcc ttttaacgtgc tccatcacat cactataaat attggccctt ggcatacaatt 240
ntagatacac caaaacgaag aacatcttca tcttctcttc tttctctgag ttctcccttt 300
tttgatttcc ttgctagtgc ttgttccatg ttcatacatg aaggatctgt taaatcttag 360
ttgatatgcg cactacgcat ataagtcata aagcac 396

<210> 31746
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31746

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aagctatact ttntgttgtc atcaataagc aagttgaaga taacacctac aatattttta 120
tgtgatgtga aaatagaagt acggagcatg cttttcttag aaaatttatt ttttctcgtc 180
ctgtgattat tagtaaatat tggcttctgt tcttttgaaa ttggaagtaa tgaacacatc 240
actgttttaa tgatttgttt ctacaacttt cactttgcat tgctttgtag ctntgtgttc 300
atccaatcgt ggtaagtga tatacttctc atgtataact gtgataagga tttgctttct 360
aatttgcagg tactccagta caggcacatg atgatatggg ttctggaaca attgatgcga 420
aatttgatgg tggatatgta gttacagtga ttct 454

<210> 31747
<211> 396
<212> DNA
<213> Glycine max

<400> 31747
agcttgagat gaggaagtgt tgaagggtga aacttcctgc ttttattggt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
caciaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatg 300
gtggcctctg gtaatcgatt acaaggctta aaattgagga caggaggcta agatggcttc 360
tggtaatcga ttaccaaggg gtgtaatcga ttacca 396

<210> 31748
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31748

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gaagtgcgtg gctacgagtg ggacttcgaa aattcagggt tgggtggact tctttctctc 120
ttaaatttcg tgggtatggg gttttgggag atatgatggg tagtcttgct agttctctgc 180
ttcatgatag ttatttgtga agaaacttgt tgaaagcttg ttgaaattgc catgctggat 240

gagttaacat acccattctg ttttaggggt tttatgagga tgcttgtgat gttcatgtac 300
 tgaaattgct tatggaaaac tgtagagat gaaaggtaga gttaacctag ggctagaaag 360
 tgagaatgtg gtgttatgag tggaaaaaga gtgacgctnt gagagttgaa aggctaaatc 420
 tggattctat agtaaagga ggtaatatg agttaat 457

<210> 31749
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31749
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 ccataactct cattaatggg agagaaatgt tcatctgaag catacaattc cctaattgta 120
 tcaaactcta aaatttgagc tccaaaggag taaaacaatg tgtgcttgct agagagggca 180
 tcaactacca catttgtttt tccctttttg tttttgataa catatggaaa ttactctagg 240
 tactctaccc attttgcatg ccttttttta acttgctttg cgctctaattg tatttttagtg 300
 attcatgatc actatgaatg acaaattcct tggaaacaag ataatgttcc caagtttgga 360
 gggctattat taaggcaaaa agctctctat cat 393

<210> 31750
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31750

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 agccaagccc tttatgtggt caaaaaagaa ttttgaattt tgaatttcaa acatgggtta 120
 agcgcacgac tgctaagcga agcactttga gaaaccaaatt tttctctctg gctcacttag 180
 agctttggct cgctaagaga gaggetcgaa aattgcttaa gtgagtgtaa catctttaca 240
 ctcaactttgc ccagatttcg cagacaattt ccttgcaatc tctctctccc ataatttggtg 300
 caccttgcat ttgagctttc tatttgcatg gtctacttat cttcaciaag catcaatgat 360
 acaagtaagt tccttactcc ctttattctt ttattntggt gaaccttacg gtagagaacc 420

atacatgtta gctgtcaatc tttacgtgtt tcatgatat

459

<210> 31751
<211> 394
<212> DNA
<213> Glycine max

<400> 31751

agcttaatag ccaaatacag aaagaaagaa ggaatctctt gtgaagttgt attcacttaa 60
aatagggtttt caaatcctta aaaaataatg atttacttat ggatcaaact atgatagccc 120
caatggaatt tttcttccac atcaaatcat tttttttcta gcagtggcca tatcagccca 180
tatgctatga agcacgtgta cctgcatttg cttcacaagt ccataattca aacccttagt 240
atTTTTggat aattcattga tacacttgta cctacaatta ctttgtcacc aatcaaatat 300
tacatcacat caaattacaa tattgtgaaa ttgaacagcc ctagtgtcaa taaaaaatca 360
aacaacttaa acataatgtt gagttccaac gaac 394

<210> 31752
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31752

tggaactcgt ctggacttgg tgctntaagg cttcctatgt acttgatggg ctataacttt 60
ttagcattag agggaattct actcatctct tccaaccatt cttcttccat ctggggaaag 120
gcattagtca caacaaagga ttggtaaaca ccacctcta catatagctg cctatagaaa 180
tctatcacca tatttctttc aatgagaatt aacaaaattt ggaaactcaa aatgcactcc 240
tatgcacttc aaatttgaat ggtagtctat tatggctcat ttggataggt tcttcaagta 300
tcaaaaggag agttatatga taagacttca accaattaag atgaaataaa tatgcttttt 360
tgaatcatag tctgcattct aaattgataa tgtatttata aagcctaaca ataagcttcc 420
ttttcgtcaa gtaagcgcat caccttgata caccaaa 457

<210> 31753
<211> 387
<212> DNA
<213> Glycine max

<400> 31753

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
atggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120
aaccaccatt agaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
tccattaatt ttttgcttta ccttctcttc tattggtggt tcttcatttt tctccatgta 300
tctcctcaca tgtcttgtgc taaatgttgt taacatgatt ctttagagtt tccaccgatt 360
aaacttggtta tagaagctag atttgat 387

<210> 31754

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31754

tctgaatgtg ggctgagtga ggagagagag agagagttgc tttttggttt aaaacgcctt 60
ttctcttttc tattattnta ttttaagtta tgccacatgt ctccatttga gtggagcaaa 120
aggcccactt tactcttgat gtgactcatg ctcagccaca tgaagagaat aatttgacct 180
tttgaaatgc caaagtctcg cctcggattg cgtgttggtt ctttgggtcta gtcccttgcg 240
ttctctgtgc ccgtcggggc caattatcga aagtaggcaa tatatatatc acaatgctca 300
gaatgaaacc tcgagcgtgg ttcacaggtt gagtttggtta aattctaagt cgcacgcaaa 360
acgatgatgt ttacactaat taattaagaa ttaacttata acctccaat tatggatatc 420
tcttcc 426

<210> 31755

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31755

agctttgaga atatggttgc aaccattggt caatatgggc cacattttcc catttcaagc 60
tatcatgata tcagagttcc actcctgaag aaggaagttg aatacgctga aaatttgatg 120

aaaggccaca gggagcaatg ggtcaagtat ggttgacta ttatgtccta tgcattggatt 180
gatcggaataaaa aaatctcaa ggttgaaaag aaatctcaag gatcacagat tgcttgggga 240
ctggatgtat gcacgggttg ttgcgaacc agtataaaaa ctcttgctg tttgtctct 300
tcttccctac tctnttaatt tccactgtgc attttaattt ctgcttttac ttttgcgtaa 360
gtttctcttc tactctntat tcaacttaaca aca 393

<210> 31756
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31756

tatgctgcac acatttataa tagacctcct cagcagcaaa accaacagca atagaataat 60
catgaccttt caagcaatag atacaatcca ggttgaggga atcatccaaa tctaggatgg 120
acaagtcctc cacaacaaca acagtctatc cctccttttc agaattgctgc tggccaagc 180
aagccatatg ttctctctcc aatgcagcaa tagcagcaac aacaacaaag caacaagcaa 240
ctatgcctct cctcaacctt acttaaaaga gttagtgtg cagatgacca tccagaatat 300
gcaatttcag caagagacaa gagcctccat tcaaagtctg acaaatcaga tagggcagat 360
ggctacttac atgaatcaag ctcaatccca aaattctgac agattgcctt cacaactgt 420
gcagaatgca naacatgtga gtgccatcac ctg 454

<210> 31757
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31757

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ttctgaaat atgaactgtg gtgtgctgta aaattctttt cctgcgccc ttgttatcct 120
aattctgcat aaaacaggct ttaaataggc tctgaattcc tgacgttgcg cttagcgcca 180
ccctcgcgct tagcacacga ccttgatatt gatgccctgc cagattcttc tgtcacgcta 240
agcgcggtga agctgcgctt agtggcggat ggcgcttag cccactgatg agctaagctc 300

aactattact tttagcactt catgacttag cctcattntc acttgaaatt gctcatattt 360
catcattaaa tccaatggac atattcta 388

<210> 31758
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31758

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cctctcaaga gatttttgat tgatttctag ttggaagca cccatcctct tctcctatgg 120
tcccttgagt ttattttctt ctcccaccaa gtagacatga aatgggggtt cacttcaaatt 180
tttgattggt aggtgaaaat ttaattgaaa tgagcctgag tcacaccact cattaaaatg 240
caggggaattg ctatttgcac tcctccttta taataatata atccctattt atttatat 300
ttccaaaata tccctaacaa tacattccca atgttactc cttgcaattg tctttcgtca 360
aatccctact gtgagtgcga gcacagagca acaatacacc atcaacaagg agganaactt 420
gtttcaagta acccaatcat t 441

<210> 31759
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31759

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ctcaagccct tattattatt attattatta acataatttt ttttaataat aacaataaat 120
aatatttatt tattcattta attataaaga aaacattntc acaatgcana ataactttat 180
ataataaata aatatataaa acaaatatct ggggtgttata gtccgtgtgt gtttgttatg 240
atgattgtgt atgatgggaa tttgtgatag gtgatgccaa caatgggtta cgtgggtgtat 300
gatgtttatg actcctgatg atgaatggtg atggaactat gttgctgttg acgggttgag 360
gaatatgttc taaggttgct atatat 386

<210> 31760
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 31760

tgatcaaaac aattatctaa tcatttcaat ccactcaaat catacaattg ctcatcctaaa 60
 tcattctcaa acactcattt catgcaaaac aatccactgc atatcatttt caatcaattc 120
 actattcaaa cacgcttttg gtacaagtaa acaactcaaa gtgctgaaat ttaaataact 180
 aaaattttaa atactaaaa tataaaaaact gaaattaaaa tgactgaacc aaatcataaa 240
 aaactgaaaa taaactaaaa ttttcaagat gcacaaattt aaatgtcctg ctctgtgggt 300
 tgctcctatg catgctcatt aagggtccaac acctgagcag ctgggtgaatc ctgagagata 360
 ggctgctcta actcagatgc tagtgagat ggtacaacat catcaggtat ggggtgctagg 420
 gatggctctg ggatctg 437

<210> 31761
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 31761

agcttagaaa gcaaccaaca tcacaggtaa acaaaagcaa gacacaactt taccaagtac 60
 caagcatgag tgaagaagtc aagaagatgg agatgaaacc caaacaacc atcttgatct 120
 tcttcaattt ttcaataaga tccatcaaat tccaagtcac aataatgaac taagcaaaat 180
 gacaccaa atagaaccaa aacatgaaaa aacaccctag agaaaaaaaa atatagtttt 240
 ttttttttaa acatacaaac acagaaggaa aactcaccaa atagagggtta ttttaagcact 300
 tagagcacc tccaagacct ggtaagccat tgacattagt gctgctactc aagcaattct 360
 tctccaacct tctcacaatt gcatcccaaa caag 394

<210> 31762
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 31762

gcttatgctg aatcggtgcg gtaccgcac ctatgcattt gaagatctgc cttccatttc 60

tgcttggtga ggaagcgaga atcatacgat ctgcttctca gctttctaaa actatttaca 120
 gatatgcttt gccattaata tacaatgcac cttgggatcc ggctcctgcc ttatgccaac 180
 tgcgcattat atgtcttttg aagatgctca tactacgctt acttggatat ccctcgtaag 240
 cactatccga tgctctatcc atttttaaac acttcatagt acatgttgtg ctacaatcta 300
 accggaagag taacgctatt catttagatg atggagagaa atgatgaggc ttctttcata 360
 tcatctgaac tatggatcgt tatagactaa ctgcctcac acac 404

<210> 31763
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 31763

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 cacaacaagt tttccacatc cacaatgcgc gcataaaccc accatcccct gttgcccacc 120
 tccatctgag ctcaagctact cccacgtagc ccatatcctc gtttctctca acaccgggtc 180
 cccatcaatc ctgccaagct tccacaacat ccaagcaaaa caacattcaa cagcacaagc 240
 tatcacagcc aagcaaaaaca gggcaaaggc agaaaactct gctcaacaca ccaaccaaaa 300
 tcacagcttt tctcacttaa agaccccagt aacaat 336

<210> 31764
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31764

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 tcttaggcta ttctaaaatg gcgctogaat aagccaatct tcattataat ggctacctta 120
 agcttggtcc taaatgatgg gctagcttaa gctagcctgc taacttccaa gttcttcatt 180
 agaatagcta gcttanaagt ctgcccctaa tgatctagct taactagctt ggtaattcca 240
 aattctttac acttttcttt caatgatagc tgtaaataatc tcttcaaaga gatccttaat 300
 gtaattccta canagagact aaacaacaaa aaccacacaa aagcaatana actaagttct 360

<210> 31765
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31765

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 aacgggtcatg cactgtcaca agggctgtag atgttgagat agagtcgcga acacgaacct 120
 tagacggaga agaagagagc atgaggaaaa tagggctcac tttctaattt tttaaagtga 180
 gattccacat tgattttcaa taaaaaacg atgttaacca agcaatgtaa atgttaacat 240
 cggtttggtg gaaaaaaacc tatgttaact catcaaatgt taacatcagt tttgaagaaa 300
 ctgatgttaa aaaacttata ttaacatagg ttttcattga tttttagaaa accgattnta 360
 acgaacttac attgacatcg gttnttaaaa aaccaatg 398

<210> 31766
 <211> 452
 <212> DNA
 <213> Glycine max
 <400> 31766

taacaaactt agacatcaag tgatcatgta ttccgaaata tatggggaga aaacggatgc 60
 accttttata tatatacaat atacaattgt ttgttgcttg cttgaatctt gatttcaggt 120
 attgcattgt catcatcaaa aagggggaga ttgtagatgc aattggctct gatgttttga 180
 tgatgatggg gagattgtag atgcaatagg ctttgatggt ttgatgatga tcatcttatg 240
 tgttgcatta atgcaaaggg gcttttcaag attaaaattc aagacaatac ttcaagatta 300
 caaggcacia catcaagatg atcactagaa tattaggaag ggaattccta attgaattag 360
 caaaggtttg gccaaagtgt ttacaataaa aagtgttttt cacaggttct actctctggt 420
 aatcgattac cagaggatgt aatcgattac ca 452

<210> 31767
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 31767

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tcttctatctt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac ttttttgag 180
gatagacatg tggaggagta gctggtttct tgggggtgcc ataggtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcacacac agctgactga tgctaataaa gtttgagtc 360
agtccttca ccagcagtac ttgttcaga ct 392

<210> 31768
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31768

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aagttattgt cgctggagtt ttgtaagagc ttcccttttc aattacgagc gtctcgatat 120
attacgggac acaatcggac acccgagtta aaagttattg acggttgaat gcgctcagag 180
cttctatctt caattacgag cgtctcgata tattacggga ctcaatcgga catctagcca 240
aaagttttgt cgttcgattt ttctgagagc ttctgtntc aatgacgagc gtctcgatat 300
actaccggac tcaatcggac atccgagtta taagttattg ccgtgagaat ctgctcagag 360
cttctgtttt caatttcgag cgtctcgata tactacggga ctcaatcnga catgcgagtg 420
aaaagttatt gtcgtttgga ttggctcaga gc 452

<210> 31769
<211> 394
<212> DNA
<213> Glycine max

<400> 31769

agcttttttg agtagaaaca tgggaccaac tcattttatt tcaaaaagaa agtcgtatct 60
agtcaaggtc tgagagacca tacaagtttc ctaacaattt ctaattatgt tggccattaa 120
gtctatcata tgctgacaat agccgagaag cccatgaatc ttttcggggg cggagtaggt 180

<210> 31772
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31772

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 gttgtttaac attntgacaa atgaaagtta gaacaataat gatttgattc agctcatgct 120
 acattgagtt tttaacttgt atttcacacg gaatattaat agtcaataat cttgaagtca 180
 gaaaaataat gatttgattc aactcatgct atatgtactt tgatatatta ttctttcaaa 240
 aattctgaaa gaggaatat cactcaaaa gcagattcca gacnaaaaaa atcaatcatg 300
 taaacacata gattggaatt ctaattgtta aaggcggaag caacaaaact aacagtgagt 360
 tacagccttg ggaagacaac ccncagtga tcttcttgca actgggggat catgcaaaac 420
 atcaaaaaca 429

<210> 31773
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 31773

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 cactggtaat cgattaccaa aacattgtta tcgattatag ctttatgaaa ataattggaa 120
 tgttgtaaatt tcaaattgaa aactttttca aaacaatttt gctactggta atcgattaca 180
 acaatctggg aatcgattac ccgagagtaa aaactctttg gttaaaggggt ttgtcaaaaa 240
 ctcatgtgct attcaaagtt ttaaaaaact ttttaatact tatcttgatt gagtcttctc 300
 ttcattcttg aatcttgagt cttgaatctt gatcttgatt cttgagatct tgaaccttga 360
 atcttgattc ttgagtcttg aattcttc 388

<210> 31774
 <211> 453
 <212> DNA
 <213> Glycine max

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 tttttctgac ctcttcttag gccactctgc ttcttcttgt gtcattgtct tcttcttcat 300
 cctcgtttgt ctctgcgttg tgctttggag ctttgcattg acgacattga agacgtgaat 360
 tgnctgtgc tccaccgtcg acgtcgaggt aagcctattc ttcccatg 408

<210> 31777
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 31777

agcttgcaaa atggaagcaa agaagtctat ctatgggggg cagaatcact ctcatthaatt 60
 cagttttatc agctttacct atctttttac tatctttttt taagatccct aaaaaagtgg 120
 tgcaaaagat tgtatcaatt cagagaaatt tcctttgggg aggtcatcat gaggccaaca 180
 agattccttg ggtgaagtgg gacacaattt gccttcctaa aaataaaggg ggcctagggg 240
 ttaaagatct ctaaatttaa tgaggcttta cttggcaa at gggggtggga gctgactaat 300
 aatcagaacc aaccttgggc aagaatctta ctctccagat atggtggcgg gaaggagtgt 360
 atctttggtg gaaagagcaa atcttctct 390

<210> 31778
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31778

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 tggtgatttc ttcacttttt tcttaccatc ttgcgattct attttgagta cccctttgtg 180
 atccaatgat agaacagcag aatttgagtc aacagggttg tctctatctc accccacact 240
 cccaatcatc tttcttttgg gcacatatag tcaagtaa ac tgcttcctga ttatcatgag 300
 ttattgggtc gaaactcatg caatatctac ccttttttga acatagctct gccctggta 360
 ccgcggcatt cagagtatca cctggcttca aactatcatt ggcttcaacg tggatacaag 420

tagtactcca ccacaaccac atatagatg

449

<210>	31779
<211>	381
<212>	DNA
<213>	Glycine max

<400> 31779

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tgagtggagg agcaccacaga cgtttacgcg gtaagcataa tgtaaccctt tgtagcatta	180
aaactctacg attgggccta ggctttagag tttccttttt gttaaggcat tatgtctttt	240
gttcttgagt ttataatata aagatctttc ttcattctgtt cctgcgcctc taccatttct	300
cattcatttg catgtttatt tctttacgct taaaacgcc a gatctgacga cgagtcacctc	360
gaaggtacta ataccggga c	381

<210>	31780
<211>	449
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      31780
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ttttgtgaga	actatgtagg	tctgatttcc	tcttcaatgg	aggatacgt	ggagcaaaaag	180
ccccgctttt	gtcgacctcg	tgagatgggt	agaggtccaa	cgccttagct	ttctcaccaa	240
taaaatggat	cattttaagg	tacaacacct	tanatgacca	ccttccaagt	aaaaagaatc	300
acttgattcg	ccccttttga	aagaactacg	tacgtatgat	ttcctcttcg	atggaggata	360
cgtacgagca	caagccccgc	ttttgtcgac	ctcaaaaata	aaaaaggaca	aaaagtttac	420
gatacatgat	ttcacacaac	tctaaatct				449

<210>	31781
<211>	350
<212>	DNA
<213>	Glycine max

<400> 31781

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aatgtcattg gcataactat ccaatgtgaa tgactttatg tctaattgat tgtagattaa 180
gtttgattca ttagtgctag gtatttcatt gacaaataaa tagtcctaag gagtagtatg 240
tatgtatggt tttcttttct taaaattaaa aaataggagg atgctgactt acttctcata 300
gtattaatca aataccgggg ctgttcatca caaccogtgc cattgcaaag 350

<210> 31782

<211> 449

<212> DNA

<213> Glycine max

<400> 31782

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ttggttacca ggttaaccaa ggcatttagt ttaccttcaa gttcttagt ctcacctgat 180
gaagatgaat tcatggctac ttcatgcact cctctaata caatagcata tttctggcac 240
taattgctgg gagttggaag ccattcttctc aattaaattt ctggcttcag tacgggtcat 300
gtctccaagg gctccaccac tggcagcatc tatcatactt ctcttcatgt tgctgagtcc 360
ttcataaaaa tattggagga gaagctgctc tgaaatctgg tggtgagagc aactagcaca 420
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<210> 31783

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31783

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aactcaagtg aatcaacaac aattcaagag ttcaagataa gaatcaagaa taattcaaga 180

ctcaagaaga aagtttagag tcaagaatca agattcaagg ttcaagatct caagaatcaa 240
 gatcaagatt caagactcaa gattcaagaa tcaagagaag gcttaatcaa gataagtatg 300
 agaagttttt ctacaaaatt gagtagcaca tgattgttct cacaacatgt ttaccanaga 360
 gttgttactc tctggtaatc gat 383

<210> 31784
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31784

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 tctcattcat caaagttaca acaagtgtta cacatgcttc tatttataga ctaggtagct 180
 tccttgagaa gctttcttaa gacaacttcc ttgagaagct tctttccaaa acttcctgag 240
 aagctagagc ttagctacac ataccctctc cataactaag ctcacctcct tgagaagctt 300
 ccttgagaag atccctacag aagctagagc ttagctacac acacctctct aatagctaag 360
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 caccncatg acaaaaataca tgacaataca 450

<210> 31785
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31785

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 caagtaatag acaaaccgc tccaagggtca atgtcttggt aatggtatcc ttgctagctt 180
 ggattctatg ggtagataat acttccatta gctcatggga actcaacca ttagcaagca 240
 acatttgcta cagtttccaa tagaaaagaa aaaccaaagt catttttttag taactgaaat 300
 ttcaaatata ccctttatgt tattcataga caatatgaaa caaggaggga ggattgcccc 360

ctcttgtata gattactntg accatattcc tagttgatgt ggaacttctt aacaattacc 420
 ttcattcattc accacctcaa tatga 445

<210> 31786
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 31786

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 gcggacaaca gtgggcacta aacgttgatg gacgtcattg tcaatgcgga acgtattctg 180
 cgcttcactc tccatgtaca cacattattg cagcttgtgg atacatgagc atgacctact 240
 accaatatat acatgttgtc tatacaaacy atcacatctt aaaagcttac tccagacaat 300
 ggtggcctct tgggaatgaa acggctattc ctacttctga cgacacatgg acactt 356

<210> 31787
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31787

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 ctatcatgac accacagtgc gcaactcttc agaacgaagt tgaatctact gcaaattaga 180
 tgaaagggtca actggagcaa cgggtcaagt ctggctgtag tattatgctc gatgcatgga 240
 ctgatccgat acaaagacgc ctcatgcatt ttttgatcaa ttatccacgc gcgcccattg 300
 ctgccaccct ctctcactcg ttctgagttt aagaagatag atgaaaagct ttttgagtat 360
 cttacatgtc tatgacgatg cagacttcta actataatcg tctactaagt cgtagtcgtg 420
 tatgctgcgc actatgtatt ccttggtat tgtccgagga taactcacag atcctacact 480
 actccttttc acgtcattaa taaaccgaac aataagatat cgccg 525

<210> 31788
 <211> 129

<212> DNA
<213> Glycine max

<400> 31788

gaactcgact cgggacccctg tatactctaa tgcagcttgc agctttactt tagcgctttt 60
acgggtagat gatgtgcata tgatctatct acggcttgca cttttaattc gcacatgcat 120
ggacttgta 129

<210> 31789
<211> 222
<212> DNA
<213> Glycine max

<400> 31789

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tatcaatcct ggattgaccg agcttacata ctcaaagcat gccactgttg catgaatagc 120
tatgccccat caatgtatga caggacatac tctcatgtct tacacacagc gaaggcccc 180
ccccctccgc gcccgTTTT gaactctaga tataatttac ct 222

<210> 31790
<211> 359
<212> DNA
<213> Glycine max

<400> 31790

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tttcagaggc ctacagacca catgtaactt tgtaactact ttcaaataca cccacatcat 120
tccctggccca aggccttaag gtccctctct cctcaacgaa ttaactagtc cttcaaatgg 180
actacacccg taaaccactt ttgactggcc tccatagtcc ttgcaagcta gggatcacca 240
caccataccc tctgccaat aacatattac tgtctaagga cgacctccct tcacaataga 300
cgaaaccttt gaacaatgga acgccagtag ctccaccata gtttgaagat ctggaggct 359

<210> 31791
<211> 205
<212> DNA
<213> Glycine max

<400> 31791

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 cttgcactga gtaccaaadc attgctgtgg cttgggtcatt catccacac atgcacttaa 120
 tatgatacaa tttcaacata caagactacc ttgattatgt tgaaccttca tacaagggt 180
 gttctgcata tctcggtaat gcata 205

<210> 31792
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 31792

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 ttggacccaa cctcaattgg gaaccacctc tctttaatcg actttgacct gtaacctaac 180
 accaagagac tcaactatggg acctggaaa aggcttgatc tacgcacata cttggagaca 240
 agtccatact tacctactct tcgtctaata aacgtggata cgtcactttt ggagactaca 300
 aactgggcta gaaccatggg acaaggaaat atcggaaatc aaaaaagaca cagatatata 360
 acgttctata tgacgacg 378

<210> 31793
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31793

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 acttaatcgc cttgaagcac atccgctttt cggcagctgg cgtactggac aagacgcctc 240
 caacagatcg tcattcccaa cactcgcgcc ggccgaatgc cgattcccc cgcaagcacc 300
 cctcctcctt aaaattattg cagtttttga atcggatatg ggcgactgtc agtacaatct 360
 gctctgatgc cgcactatta acgcaggccc gacaaccgcc aatacccgct gacgcgaact 420

cctagntgcc gcatccaaca tacacttcga catctactca ttcacctatc tcttctccgc 480
tcaacacgca ccttcattac aatctctctc cg 512

<210> 31794
<211> 275
<212> DNA
<213> Glycine max

<400> 31794

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tccaccatga aaccaccaga tgtccaggag gatcacatat ttctgaaggc ctttctcat 180
tctttatagg gaagtggaaa ggattggcta tattaccttg ctccaaagtc catcacgagc 240
tgggatgacc tcaagagagt attcttaaaa aaaaa 275

<210> 31795
<211> 409
<212> DNA
<213> Glycine max

<400> 31795

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ttgctccca ggaacacttc tttaatgtct ttttaagttg atgtccttgt tatgacttac 120
gccttcactg tttcatcatc cataattctt ttcttctttg taagaaaata cttcatgaat 180
ttagtgatg ttggtatatg ctctaagcc ttacaaaaag gaatgttacc tctgtcgtt 240
caaatgttt aagaacact tgtatttctt ttccttatat ttctttgacg gagcatacac 300
ataaggaaga tgctcaagtg gcggatggct tactacaact ctacctttgc tagtggcttc 360
tttctttgat ttcttcttga cgtaccactc tctcttcaac tttttcagt 409

<210> 31796
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31796

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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31801

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taattttcgt tgtgcacttt taattatcgc tcttactttt ggttaagttt caattattgt 180
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acttttaatt agtcaaggta cattaataat taattcaacc ccccttctta gttattccga 300
gaccacttga tccaacaatt atgatataata gtgtgcgctt aaactccaaa gagcatacta 360
ctgacctcag aatggccact tcttgagcaa actcatctc taaggcatca ttcaattgct 420
ctgatctcag aaccttaac 439

<210> 31802
<211> 381
<212> DNA
<213> Glycine max

<400> 31802

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ttatattaat cttgaaaagt ttataagatt tagtaaatat tctatgataa tcttgaatta 180
tttttaaaat tgaaagtatt gagagaagtt ttaagagaag aaattaatac ttcaatgaaa 240
atactaaatc atataaaata ttttcttttt taaatatatg cattccttat aaatatcgct 300
gaaagaaaat taataacttt ctttataaat tattttttaga ggatgtaaca tttatctaag 360
atcaaaattg ttatgaaata g 381

<210> 31803
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31803

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cattgcttgt accaatttgc ttatatattg gcgaagtacg aagatggtga gtggaaaaaa 120
 ataataaac taacaaataa attaacgagc attaagctga acgcgtgata ggggattaat 180
 gcaccaaagt gtcgaagcac gatactttct acagactaaa catcaatgct tctaactgtc 240
 tttctatttg aaagtcaagt gacgacctta tatgaatttg caagagcaca atattgctaa 300
 ccatgcgcgg agttattata cgctccaact ccatgtgtta ctcatcctta caaacgtgag 360
 aagaaacat tttactgtc agctctcact tccccctcat cttttcaccg ccatcaccac 420
 cacc 424

<210> 31804
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 31804
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 ccacggaagt tatgccaacg aatctgctca aggaagtaat ctggcgaaaa cctctcaatg 120
 aagctaccga gggatatgtc agaagcttgc gaaagacttg ttgtaacttt gatgaatgac 180
 agtcttgaga gacatacctt gtagtgccaa ttctctgcct ctatgattcc ttcagtctcg 240
 agctcccc 248

<210> 31805
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31805

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 actgatgtgt aagtatttgc acttaccgct gagttcatac attaaatttt ttgacagtga 180
 atgaaattct tttcttatat cttattccag agaaatatga ttatgtaatc anaacctccc 240
 ttgattcttc cataagagta ttctaatact ttcccatgta atgtaataga tatcgtttat 300
 aagtgtatcc tcatactttc acacacacat atatatatat atatatatat atatatctat 360

atatatatat gtgtgcg

377

<210> 31806
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31806

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tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacat ttaccatttt cttgaacata tcctataatt caaagaanaa 300
catgcaaagt cgtagtgca cacaaaattg acccaaaata ttaaactgaa aatccgacga 360
aactaacaac attaacaaat taacacaact aacaaatta 399

<210> 31807
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31807

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atatttccat aaattttcat atggtatcat taccttgctc aaattcgtat gagtattgac 120
aaaatgaggg ttgcaaaaa aaaaaaaact aatgcttgct aaataaataa ccagagttgt 180
tatgagactt tttcttttgt cactttgaaa tcaaagtgat ttcaatttca aggtcaaaaa 240
aacaatttg aaattttgta ctaagtgtag aataagaagc tntgttctca aaataacaat 300
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ctctagacat cattatatca tctcat 446

<210> 31808
<211> 392
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31808

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cagttggggtt accaggttaa ccaaggcatc tagtttacct tcaagcttct tagtctcggc 180
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tatggaggct ggatctttga gcttcaatgg ggtcctttta tgggtgattnt ccaccatgga 360
gatgcagtgg aagacaaagg agaagagggtg ag 392
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<210> 31809

<211> 456

<212> DNA

<213> Glycine max

<400> 31809

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tccttttcaa tttttttatt ttttttcttt ttcttgggtca ttaaattctt tttgcttgac 180
cattattttt ttctctttat cttgattgct ttcacctctc acctcatttt tctcccatca 240
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taaacctttt actccttgtc atcacatctt tgaattccgc cttgcgattc ttttctgtat 360
ttgctgcaaa actgttggac aacttgctcag ctatctgctt ggccagttgt cccacctgaa 420
tttcaaggat cttcagtgtc gactcagtgc ttttat 456
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<210> 31810

<211> 395

<212> DNA

<213> Glycine max

<400> 31810

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gtgtgagaaa gcgaagcttg aacaaattcc agactttgcc ttagattgt tgtgcctgat 120
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ttttccatga cttccacgca cgggatgcag caacgtggtc gtcgacccta tctctaaaga 180
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 tcttctctatt caaatgccac ttctgtcttt cacatcccaa cttttttttt tttgtccttt 300
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 tcattttctt tagtgcattg tcccttggtt agttt 395

<210> 31811
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31811

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 tcttctccct tttccaaaag aacaaaggac taaccgctg aattcttttg tgtctccctt 180
 cttccttggtc aaagaattca aaacgacaca atctgagaat tcttttgatt ctctcttcc 240
 ctaataaaaa gtgttcaaag ggctaaccac ctgagaattc tttgtatcc ccattcacia 300
 agtatcaaag gttaacagc ctgagatctt tgtcttcaca cattggaggg tacatcttc 360
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 cttgtggatc agttctagtg gagggtagat ccact 455

<210> 31812
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 31812

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 cccctttaca gatccaattc ctgctccctt tgcacactgt cactccccct agctgcagaa 180
 aatacatata ggctctctca cgttttcttc acatgggtcat atacaaaaac cagtaacata 240
 gctacaactg ccactcttga ctggaagata gttctgaata ctgcacaaag ctctcttaca 300

gaaatattatc cctttggcat ttgatactt gtcctccact ctgagattct gttataatta 360
 cttcacatta acacaaaaca gaacaagtta taag 394

<210> 31813
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 31813

tacatgcgct agatcacaaa gaagaactta tgatgatctg tagttttatt ggagtgcgtg 60
 agataaacta atgccgcata agatgtcaat gcacatagca ctgactctca ccttgtcgat 120
 atggagatta tgcgagagac gacattcaga ataccgcttt gaccaattgt tcataatata 180
 catggatata ctctgagagt atgagtctag actgagaaaag caciaatttg attattagtt 240
 gtctagaccg aagagcggcg aatgctatat cctcttccat aaatgcaatg agaagcagag 300
 ctatactgct aatctacaca tt 322

<210> 31814
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 31814

ataccatatt agaaaactca cggatcatat gataactcta acgacatcat acctatggag 60
 accagagaga agatgaaatc cacagacgga atgagaacga tataatcgag gtgatgcact 120
 cttgacttac aacactctat gtatagagtt acgacgctgg atgcaatata aggacggtac 180
 tatgaagcaa ttagttagtt atgacaacca tgaacaattg tcaataacta actataccaa 240
 ctgacacaat gcgcttacta cctacttgag atagtgtact tgaatattgc acttctaagt 300
 cagtactcta acataaggta actaatgctt agctatttat cctgaaaagt tgatttgccg 360
 taatacactc cgttgtacg 379

<210> 31815
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31815

tagcatggcc tctgtgatgg acgccatttg atcttttaaat gtcgataggt cgcgacttca 60
tcatgtgatc tgcactatcc gtctctcagc tatccagtc tctacagtcg tgcgatcaga 120
gatgtgtata naggggggcg ctctgccgca tcttcaacat tatcgggcgag tttccctaaa 180
gacacaaaca gaggtgagtc tgccacccaa atatgaatat gtcgatgaat gatcagagca 240
cttggatnga tcccacgcct tttccaccac tgatggagtt aagaactatt attagtataa 300
aaaggaacat aagctttcat ctagccatga tgatacaaca gtgcatcaca gagcctaacc 360
gggagaatca tatgggcat tatttatgat ggggtgaagg aatcgattgc ccatcaatta 420
ctatcggtg acacactctc ggatgccttt gcttagctaa acccg 465

<210> 31816
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31816

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ctagtcaagt ccgatttaaa ctgccgccac ctctcaccaa cagtttgaag aattttcttc 120
tttgtcttac tatcagaagc ttcagggatt tcaaattccg cctgaaaaat aaaaaattag 180
gttttattgt tagtcaatta taaattttgg ctaataaaga aaatcagata agcaaattaa 240
aatacctgaa tatactccca aatcaaatec ttctgagcag tagggacttc cttccaggtc 300
tcgtatgtga tgtcgacett atcacgagcg anaacctcca aatatgttct taattttcttc 360
ttg 363

<210> 31817
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31817

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ggcagaaaac tctaccaatt ccccttttgg tctaagacac acgccctcaa aaggctcttc 120
agtgactaaa tggttcattc agtctgaggg tggtaggctg aacttagcct aagcttagtt 180

cccaacgctt tattcagact ctcccaaaat ctagagataa acctaggatc ctatcacaca 240
catgctatat ggcacacccat gtaatctgac aatctcaata atatataggg aggtcaactt 300
ctccaaggaa aatcttatat taatgggaat attgtgagca aacttgggtca gtccatcaat 360
aataacctag ataaaatcta aacctctggg ggtcctaagt agtcctacca canaatccat 420
ggaaatacta tcccacttcc ac 442

<210> 31818
<211> 385
<212> DNA
<213> Glycine max
<400> 31818

agcttgtagg gttaaagtct cacgattgtc acgtactcat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaattca ggttaacgat aactcgctg tgctttttct 120
tccattctat atgtagcaaa gccattgac cagtcattgt tgatgagtta gaaaatgagg 180
ccgcaattat aatgtgtcag taggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggctctgtt catctacggt 300
ggatgtaccc gattgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
gtccagaagc atctattgtt gagag 385

<210> 31819
<211> 419
<212> DNA
<213> Glycine max
<400> 31819

ttgataacct tcgatagtga ccagtgaggc ctaacaaacc tctcagctgc tggatattga 60
aacgtgtcag cactctaca actgactgca ccttaatagc atccatatcc actccttcac 120
cagaaactat atgtccaac tgctctatct tcaatacacc atcagagcat tcagacaact 180
tatcacaaaa aacattgtct ttcaacactt tcaatactcc tccagatgca taagggtcca 240
tgccatgtgg aactatatac caatatatca ctcaataacc ataacacata ttgccttaca 300
gcatgctgga taatatggct catcatacac tgaacagaat tcgtagcatt ggtcaaacca 360
aaaggaacta ccaaccactc ataatggcca tgaggagca caaaggctga tcatgtcta 419

<210> 31820
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31820

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 tgtccccaat tcattgggag atgacaaccg aagagctcgc acgacagttc tgcactctct 120
 tgggtcagtc ctatgagaac cactgagtg tagcagttgc agcaggagtt gaggggttgc 180
 ctatactgtt aaagctggca aatgtaatgg cagcaaagaa gcaggagtgg caggaaatga 240
 agcagttgcc tgtgccagtt gaattgggta aggaatttca gttccattcg atttttgttt 300
 gcctgtgag tagggatcaa ggaagtgaag aanatcctcc aatgctgcta ccatgcttgc 360
 atgtcctttg caagcaatca attatgaagc t 391

<210> 31821
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 31821

tgatgaagcg cgtgcgtagg gcattataag cattacatgg agatcaagac tggtttggtg 60
 ctctggaata atgcagtcag agactcatag gactttcttt gacatttagt agaggatatt 120
 tgaaaaaaaa ttaaaatggt caaaactgaa ctaataactg taagttaaac cacgggatta 180
 tatatatctt ttaagcaaaa atgttgacg ttatcctaata tttgggtgct atagatgtaa 240
 aaagaaaaaa aaatgaaata ctacttgaaa taatgtttta atatttatta agtttcttat 300
 tactctttta aaataaacca atattgtaat atttatttta accataagct cttgtaattc 360
 tatatttata cataaattat tctcattaca ataaagtaat gtcgctaata taaaattatt 420
 c 421

<210> 31822
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 31822

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aaatagttta tcagttaaac agaaataact atttgtgtct tttaagaaaa ttattgtaaa 120
attaataaat ttatcatata tagtgatttg taattagata ataacgtaaa atgactntat 180
actcctgcat aattgtaagt ttgtaacctt tttttcttat aaactatagt accttttttg 240
taccaagtat cttaagaaat tagtcatttt tttctatgct tgtgatgtgg agaaatggcc 300
accactgggg agaaagagtg gtattttctac tgccccagag acagaaagta caggaaca 358

<210> 31823
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31823

tccatttttt agcatttgca tgaaggggtgt ctaacacaga tccaatcagc agtctcatga 60
atgagagaag tccttcccc atcttctact atgaatatta ttgtgatgaa aatttatattt 120
ctgataaact agtcaaggct ccccatgggt tagctaaagc agtatcaagt tttaacattt 180
tcaattagtt gattgaaact ttgtaatcag ccatagcaac cgtgagtcgc gatttgccat 240
atttcacagt gatactgcaa acattntaga aacctaatct ctatctaate ttactgtagt 300
taatccatat ctgtgggttat ttgaaactct ntaagtatgc actcttgaaa tctcctttta 360
cactataatt agctggatga atatatnctt gcccctcttc aacaaattac aaacactctt 420
catctgtcaa cttcaggcca tctactat 448

<210> 31824
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31824

agcttgcttc agcgtttatg cgagacagag accaacaatgt tagctatcat cgccaagtac 60
caagaagagt tgggtctagc cacggccac gagcatagaa tcgctgatga gtatgcccac 120
gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180

atgtggatgg atcgggtttgc tcttaccttg aacgggagtc aagaacttnc ccgattgtta 240
gccaacgcca aagcgatggc agacacctac ttcgccctcg aagagaatca tgggcttctc 300
gtattgtca gcatatgata aacttaatgg cccacataat t 341

<210> 31825
<211> 450
<212> DNA
<213> Glycine max

<400> 31825

tcaagaaaag gcgcaaaactc cttccacaat ctgatttcag gcttaaataag gtggctatgt 60
tcatgctcgt gcgcttagcg cacttctgaa ccgcttagcg cgcattagtg aacttcgact 120
tagcgcgact tttcttggtc agcgaatgga ctgaagcggc gcgcttagcg ggatggccct 180
tcgctcagtg agcatgcaca actcatcctt ctttcagatt cttctcgac ttagccagga 240
atgttgcgct tagcggatgg ctactaagc cattagattg gcttagcgag aggggtgaaa 300
tcaacacttc acaaaactcg ctaattaacc tgacattgag agaaaatgat tattaacac 360
acaaaatgga agtactaagt atttattacc tatctctacc cacacataat tacaacacta 420
caaaataacc ataaattgga ggagtttgat 450

<210> 31826
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31826

agtttaaga caagagctaa agtaaaaaac acttggttta tacttggtgca ctcaacttga 60
ggtacgtnc gttctccttt acaacctata aaagggttga tttaatcaag ctgattacaa 120
gaagtattct gacctgcatt cctgactaca acaagtattc tttaggccac ttttgacaca 180
caatctcccc ctgagattaa aaacacccaa atattctttg atcattaagc tactcctagc 240
tttccaaaca attggttgaa tgaatacaat atttaaactc ctcaaagaga ggatatacac 300
taagtttgaa tacaatagat aactntgcta aagccaagat tgatacttat tgagttntat 360
ttttgaacat ccaaca 376

<210> 31827
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31827

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 aaagggaggt ttgaacacca aggtaggttag caaaactacc aagatcgagc aataccattg 120
 caatctttga agattccacc agctgcagct tgaccaggat ttccgtgaga ggccacatcg 180
 atgttgcaact tcaccaaga aggaagaggt ctatgccacg ttacctaaca ataggcggct 240
 tctgggaagg tggcaaatgg tggttaaattg ttgcatcata ttgaattggt caatggacga 300
 ccttcatttt ccatgagaca ggttactgaa agagaaaccg aggcattggat cacagagata 360
 atatgtgcgg acaattgana ctgggtattg aatctggcgt tgtttctagc acaccacatt 420
 cccacattg aat 433

<210> 31828
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 31828

agcttggtgg tactatagct gcaactaaatt gttgctgtgg taatcaaattg cagatgcaat 60
 gcagtagaag ggggtaaaga caatatatta ctacaattat atgaaattga gtaggtaata 120
 ctaagaacag aatattagta gcatgaccga aaataaaata gccgctgtgt caaataacat 180
 aacaattgtc tcaaatacag gaaaaaaaaa tactccaacg ccatcattag ccgttttgac 240
 ttattgctgt ctttaaaaaa aatggtgccc atttctttcg aattgtggtg atgatgtcga 300
 tgtccaacgg tgtgtcatta gcaaaccact gcaagtattc ataattgtaa gttagtactg 360
 caaatataaa aattcagttc caagtgtact gaagttta 398

<210> 31829
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 31829

tcacctctat ccaatcttga cgaattcaaa catgatcaac acagtgatcc ttgtaagacc 60
aaataaagga aacatcaact agacttcctc caaatggaca aatcgtatca ataactagcc 120
ctacttgtgg ctttagctgt tgctattggt gtcacacgtt atcacaacac acacattccg 180
acgcagtcac actacgggctt ctctcatatg cattttcccc tagatgcaag gggacgcata 240
ggggagcatg tccagtaaca tacaatatat atttcgtgtg agccatgata cgaatgaaat 300
aaagtgaaaa aaataagtca ataatcctta ataataaaca attatactta actaagacaa 360
taaaattaaa aacattacat ttgtctaaaa aaataataaa catgaacaga tttatgaatt 420
gaaaataaaa aatttaacta agacaaaaat aatacacat 459

<210> 31830
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31830

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctattc ccacattggg aatgcctcta actgcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcate ttctttggag 180
gatagacatg tggaggagta actgggttct tgagggtgcc ataggttagca gttgtccttt 240
gatctgctgc ccttcattag aacttcaetc ttctcatttg tcaactaagca ttctgactnt 300
gtgaagttta cattgaatcc ttcacacac agctgactga tgetgatcaa gttagcagtc 360
agtcccttca ccagcagtac tctgtccaga ct 392

<210> 31831
<211> 471
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31831

tagagcaatc tgaactttcc aagtgatcac caaaggcttc tgcacaaaca ttgacactct 60
ccaccctctn tgctttaagc ttttgtgctg cattccctgc ttctcctta taaatctcag 120
atttattaga ggttgcagca gcacaatcaa gtgaatcatg atgtctctga ccagatgcac 180

aatcaagtga atcatgatgt caaagaaaac aagggaacaaa tacatctcta actagcacag 240
 tatcttgccg cctcatttcc agctcatcaa acttgacagg atcaatgact tttctacata 300
 taccatggaa gaaaaagcac aggtgagtta tggctaaccc aactntgttt ggcaagatgt 360
 ctcttatagc cacggctaac aattgttgca tgagcacgtg acaatcgtga gactntaacc 420
 ctacaagctt aagctccttg aactacacaa ggctcttaat atttgaagag t 471

<210> 31832
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31832

agcttttcca ttcaatctat gtaccgtag tgggtccacat tgtgtttcgt gcatttttat 60
 tctcgttttg tttacttttt ataccctctc ttgacgtgct tgagccattt tacttaagtc 120
 atttctcgtc taacttaaaa ataaaataaa tttccaccga acttttgaat tgtattatcc 180
 attaacttcg gttaaaataa attccgaccg ttcggtcgtg ccgtaaccac gttggaaatc 240
 aaaaagaggt aaaaaataat ataataatca aaaagacatc tttagtaaaa taaagcgaan 300
 aatcaatcgg gcgttttctc tttgggattt ctcatcttta atcgaattga ttaataacta 360
 aagtgaact aaaggctaaa atcaattcgc ctag 394

<210> 31833
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31833

atntgcagta caaacatggg accaactcat tntatttcaa aaaaaagggt gtatctagtc 60
 aaggtctgag agaccataca agtttcttag cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgtt gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtcc 180
 gccatcgcct tggccttggc taacaagcgg ngaagttctt gactcccggt caaggaacag 240
 caaacatcc atccacatgg ttgcctcttg gtgtaaagag tcgatcacc ttcctctagc 300
 ctctttttcc gcgtatactt gggcatactc gtccgcgac ctatgctcgt gagccgtggc 360

tagacctaac tcttcttggg acttggcgat gatagctagc atgttgggtct cegtctcgca 420
 taaacgctga gacaagctcc ttttggacct tgaaca 456

<210> 31834
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 31834

gagcttctcc tctatcttcc tatgaatagg gggagaagtg aagggaatat aggttcaccc 60
 ctcttggttaa ttcgagatca cttgaactta gtgaactaaa ttggttccgt gaagaaaatc 120
 caggccgagg cgcttccgta tcgtatccgt aatgttgctg tgggagattt cgcgaagatg 180
 ttcaaccgct cttcgacgtt cttcggtcgg tcgtcgacgt tcttcggtct tcaactggca 240
 agttcccgaa atcgaacttt tcaattcatt ctatgtaccc ttaggggtgc tcatttgcta 300
 tcacgtgctt ttattttcat ttcatttact ttcgtaccc ccttttgaca tgctgtagtc 360
 atttacttaa gtgatcttct cggctaataca aaaa 394

<210> 31835
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31835

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 aagcttcatt gtgggagaag gctcatgaac gtaatgctaa gcgtgttcta aatttgataa 120
 tagagatgga aggcttatgg gttaaacttg ggcaatatat gtcaacacgt gcagatgtgc 180
 ttctgctgc ctatatacgt cttttgaagc agttacagga ctctcttctt gctcaccctt 240
 ggaagagttt ttcttcaatt ttttttattt taaaaatatt ctagtattatg ttatggaaga 300
 aaaaatgctt ttaggaaaca atgtacatta tgtggctgta ataaaaagag ccccatatat 360
 tctntgagca ttgtagatga ttgttggtca ttaacctact acaacaattc aaagtctttt 420
 ctt 423

<210> 31836

<211> 390
 <212> DNA
 <213> Glycine max
 <400> 31836

agcttgtaat tgattaaact gaaacaaaaa tatctctaca agttataaac acttgtgtaa 60
 ttgattacga ttagccttgt aatcaattag aatagagttt tatgcactaa agaaagtttc 120
 taactttaga aacaatcttc ttactcctac atgatggtgc atgatgtaca tgtgaaaaga 180
 tagagactaa gatgcaacac agaatacaac aatcaatata aatgtcactc aaaagagttg 240
 gtcattgctaa agacaaaact tctgcaagct tcttcaagct ccaagactta gtcttcatgc 300
 tgctgcctat atctctaaca atcttctctt tcttggcttt catgatgcca aacttgaatt 360
 atcatcttag tgcatttgga gagtcttgat 390

<210> 31837
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31837

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 gttggcttgg catgaattcc taattgtcat aacatattat tgatggatat gatctacgca 120
 ttctttcttt cttcacattn ttaagccacg ggccaaatag ctatcccaac gtatattatt 180
 tctatcattt tgcgagcctt atgagccaaa cacttgatat tttattggcc actaacctag 240
 acaaaaattt tctaccttac cttcgntag gagagcaatg gtgtttttga tggcgatttc 300
 tatcatttgg tggctaattg gatgggaata cactattctt atgggtatta aaggaaatta 360
 aatatttatc 370

<210> 31838
 <211> 393
 <212> DNA
 <213> Glycine max
 <400> 31838

agctttgcaa cccatatctc ttccgcaggc cttctctctt gccaaactcc aggaggataa 60
 gttggaggac cattgccgcc cttaccgacc tcgtcacaca cccatcacca ccaactccact 120

accacaccca cctctcttac cttcaccacc caacctggcc tccacccctt cccattccaa 180
 accccaagtt aaacatctaa ccccaaaaga aatggcccgc aaacgcgaac aaggcctatg 240
 ctataactgt gacgacaaat aagggcccaa ccatcggttg cgcgctcatt tctttttggt 300
 gattgccgac aatcctagca ccaactatccc actcgaaacc tatgttacca aaccacctat 360
 cccaccttct tttgacccaa cccatgccct cat 393

<210> 31839
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31839

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 cactaacccc aaatttagct tttcaaaacc tcacactttt ccactcacat cactaccatt 120
 ctcacattta accctagggt aactctcccc atcaactcta ccagttttct accaacaatt 180
 tcagcacaca aacatcacaa agcatcatca taaaacccta aaacagaatc gtagctctac 240
 tacatcaaac atgtcaagtt tagcatgctt ttaacaaatt ccttcacaaa taactaccat 300
 aaggcataaa cctagtagaa ctacccatca tatctccan aaacccaata cccacgaaat 360
 tcatgtgaga agaagtccac ccaaacctta nattcgaagt cccacaacgt 410

<210> 31840
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 31840

agcttatgac aattagaaat tctcgagagc ttccgatgat taattttgat cgtctcgata 60
 tattataagt ctgaatcgga cctacgtgtg aaaagttatg accatttgaa ttttttgaga 120
 gattccgttg tttgaatttc gagcgtctag atatattatg cgcttgaatt tgacttgcct 180
 gtgaaagggt ataaccattt gaattttctca agagcttccg ttattcaatt tcgagcttct 240
 ctatatgtga tgcgcctaaa tcggacatcc gggaaaaaag ttatgaccat ttgaaattct 300
 caaaagcttc ggtagttaaa tttcgagcat ctcgatatat tattcgctg aatctgacat 360

ccgtgtaaaa agttatgacc a

381

<210> 31841
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31841

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 atttgagtca cgttgacggg cggagataacc ctagtgggta tccgtataaa cattctttttt 120
 tgctgtctgt aaaacgaaaa gcctgatagc atgcagagac taacgctgctc ttctgcgccc 180
 ttcgtcaatc gcggccgaca agcccgttga cacgcagaga tttacgtcat tcccgcgctc 240
 acacatctgt catactgaca tttgagtcac gctgacggac ggaaataccc aagtggatat 300
 ccgtataaac attctttgtt cctgtctgta agacgaaatg cctgatagca cgcagagact 360
 aacatcgtct tctgggccct tcgtgaatcg cggccgacaa gcccgttgac acgcgga 417

<210> 31842
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 31842

agcttctaac ttggcttga gatcttggcc atctttgaaa aactgcatca tgtgtaagag 60
 ataataaag acataaatta ttgctactct tggtagatga gtgaaaagtg gaaagttgct 120
 ggtaaaaaat ggaaaaatac tcacgtagga tggataccac atcattgtag ttgatggaga 180
 agccatgcaa gggcaagtta tgatgttata aatccatgtt tatctaccaa cttttctatc 240
 ttgaaataat tgctctcgtc aattctctgc caacacatga tacttccatg tttacattat 300
 gatctttcta ttgaattttc attcatatgg tatgaaatat tcctacttct tgcttaagtg 360
 caactaggaa gtacctacaa atatcga 387

<210> 31843
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 31843

tcatcactaa tttacaagag aaataggaat ctatcacaga tttagagagt ggaccggaaa 60
 tttatgagtg tatagataat aaaatctata aatattatac tctaataaat aagtttatta 120
 attacttacg acatattata gcttttttta attgatcata tgttattctc ttcttgacaa 180
 tagattacaa atcattgatg ataattgcta tcgaccgatg agttaatttc gtatgacctt 240
 tccacctaca atacgacaac cttattatac tagaaacaaa atgttacata aaattttata 300
 ttggtgtata atttataata gtcataatgc ctgaaaattt gaaatgaact tttaggacta 360
 ttatatatat 370

<210> 31844
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 31844
 agcttggtat gttcttgtca tatcatacat gttatcctac ttgcatatcc tatcccattg 60
 gataggagta aagtttaaata cactttccgg taattaaaaa taatttttcc tgttttcaaa 120
 ttataattat aataatagta attgtaataa ttataatgat tgttaggatt ggttgatagc 180
 aatatagttt ttaatagtta taattctaata ttaccagaat tactagacaa tattcacctc 240
 actatttccc tatttaaata ccttggtgatt tgatttctgc tattaggaag aaacactaga 300
 tttttttttt taagattgtg gtgagtgggt gatgtagata attgatacca ataaaaatct 360
 tttactatgt caagttttgt 380

<210> 31845
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 31845
 tgtgattgag aagtgccttt gtagatagtc aggaggaaaa ttgatgatcc taaatgggtc 60
 atgggttactt gatgattacc tgtcagtcca tagtaatctc ccagttcagt ccagccaggc 120
 actatagttg ggttctgaag atcttggttg tatttaatac agtgtatctt gtcattacta 180
 tctaggagat gccaaagtatg ctctaattca tctttccatc ttacgccaca gtcctcttaa 240
 cttcaccata agactacatt taaagtgaac taatataagc aatattgata gggttatatca 300

tgtcatgtgt aattgagaat agccttgaaa ttcctaacct gatccttaat gtgaattgtg 360
tcaacatatc aagtgcgtct ttgtaacct catcataacc ttaccattt cattccaatt 420
cttctgatct tca 433

<210> 31846
<211> 378
<212> DNA
<213> Glycine max
<400> 31846

agctttctcaa cgagggtgagc ttagttatga gagggatatg agtagctaag ctctagcttc 60
tcaaggaagt tttctcaaag aagctttctca aggaatctac ctagtctata aatagaagca 120
tgtgtaacac ttgttgtaac tttgatgaat aaaagtctta tgagacacac ttcaaagttc 180
cactttcttc cctcttttat tctttcaatt cctgtctccc cctttctctc tttcttttcc 240
tccattaaag catcctcttc aagcttttta tctaaggcac attcttggtg gtgaagctcc 300
ttcttccatg gtttattccc ttgtggatgg tgctaccct cttctcttct cctttgcctt 360
cctgtgcac tccatggg 378

<210> 31847
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31847

nttcggatnt ggtcttcgct ggcgaaatta tcaaagtggg cctggaaaga ggtaaatcta 60
accatcctac tttgatgaat gcgaaaactg tggcaaata agaggggtgag aatgaaggag 120
aaacccatgc tgcgactgcc attcctatac ggccaagttt cccgccaacc caacaatgtc 180
attactcagc caataacaac ccttctcctt actcaccacc cattcgtcca caaaagcatc 240
cctaaatcaa ccacaaaacc cacctaccac acaaccaatg ctaaacaacca cttttagcac 300
aaaccanaac accaaccaag gaaggaattc tgcagcaaaa tcttgcagaa ttcaccccaa 360
ttttggtgtc ctatgctaac ttgggtccctt atctacttga taatgc 406

<210> 31848

<211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31848

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac tggactgatt 60
 catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120
 tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
 aaggcttttc ctcatcatt agagggagt gcaaaggact ggctgtatta ccttgctcca 240
 aggtccatca cgagctgnga tgaccttaag agagtattct tagaaaaaat tttccctact 300
 tccaggacca caaccatcag gaaggatatt tcaggtatta gacaactcag tggagagagc 360
 ctgtatgagt actgggagag at 382

<210> 31849
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31849

tcttatccaa ggcttgtctt ggtggtgaag cttcttcttc catggcttat tccctagtgg 60
 atggcgccctc ctctcacctc ttcttcaacc tttgtcattc ttgactccat ttcattgaag 120
 cgcatatcca cttgcatttc caaagtgtca aacctctcac caacaaagggt ttttaagacca 180
 tcaaactttt ccaaaatctt cgaaagaaga gatgaatctt ctcccatgt ccttctcacc 240
 atcatttcta gcaccttctt ttatccaaga gccatcatgc tccttaatat aaccaaagga 300
 tgctatgact ctagtgccta taaggaatga tctcttgatt ggaacatacg gttcacaatc 360
 aagaacgatg ttgaagtgtt gaacgaaaag ggtaacaaga tgaggataan gcaatgncgc 420
 attcaatcgc aatgccttat gcatgtgata 450

<210> 31850
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 31850

agcttgacaa tcaaccctcg gctcacaatg aagtgcactg tctgcatttt attcttgcac 60
 actattgaaa aattatactc atttttttat taagggtctcc cttatttttag gtcactgtat 120
 attcataaca tttcacttat ttgtaagatc acccttcatt cttctttaaatt ctctttctct 180
 attgatgctt aactatgata tgcataattc tgcctttgat aaatgaattc tgcaattcaa 240
 tctataatat cgacggataa tctgtatttg aacttgaagg caagtttagta tcaattactt 300
 caacactctt gtctgggaca gatgcatgct tggcaccata gcttgcacta cact 354

<210> 31851
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 31851

tgtaccattg atttgcggtg ttgaaataaa agagtgaagc attgttttaa tagtcgtttt 60
 ttacatcaat ttaatgtctg agaacaatta aagtgattaa tattttcatc ttataagtta 120
 caaagacgaa gataatgatt tctatctttt aagaactaat gcaatcaact tcaaatacatt 180
 caaaattaaa gatgatgttt cattctttaa ttaattttaa catttaacttg ttaactgata 240
 gcttttttgc agagtgtgtc ctttcataaa gatctcgcat cagagggttt ttcaattttc 300
 atattctttt atctttttaa atacgtgggt gcgagcttca tagcaattta gtcgttgtat 360
 agcataattt agtgtgttag tctttgtcaa aatatagagg aattagtctt tattaccatg 420
 tggctattat gtgtccacgt aaa 443

<210> 31852
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31852

agcttttttg agtagaaaca tgggaccaac tcattttatt tcaaaaaaaaa ggttgtatct 60
 agtcaagggtc tgagagacca tacaagtttc ctagcgattt ctaattatgt gggccattaa 120
 gtctatcata tgttgacaat agccgagaag cccatgaatc tcttcggggg cggagtaggt 180
 gtccgccatc gccttggcct tggctaacaa gcgnggaagt tcttgactcc cgttcaagggt 240
 aagagcaaac cgatccatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc 300

tctagcctct ttttccggt atacttgggc atactcgtcc gcgatcctat gctcgtgagc 360
cgtggctaga cctaactctt cttggtactt g 391

<210> 31853
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31853

ntataagcgc gggttcggga gacaaaggtc aagcgttcgc gatatgcgaa gatgatattc 60
cgagtacttt ggatttggtta cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttttaaaag 180
ctctatagtt gggcctaggc tttagagttt ttccttttgt taaggctttg tgtctttgtt 240
tttgaattat aatacaagga tctttcttca tctgttcttg gtctctaccc attctcattc 300
acttgcatgt ttacttcttt ttctgaaacg gcagatccga tgacgagtcc cccgaaggta 360
ctaataacctg ggacccgtct atcgacttcg agcaagaaat gaatcanacg gaagatgaag 420
gacatgagga tgtgggactt cccccagaac tagaaag 457

<210> 31854
<211> 399
<212> DNA
<213> Glycine max

<400> 31854

agctttttaca aaaagggttca tcaagtcaag ttgaaatatg gaagtaaccg tcctgcaaga 60
ttggggcaaa agatgaatcg agtcacatca ctgcttcac tactgccaaa catatttagg 120
attgttgatg tccttggttac ttccagtttc accttgacaa agatgtcatg gaccatgttg 180
aaaatctaaa ttgattcaac cccatatact gcgtaaaaat tcgcaatact tcgactgtac 240
atcattcgca tgcattccatg cttttcattg gttgcattgc tcattgcatt ctttccttga 300
aaaataaaat aaaataaaat aaaatgaact tatcaaaaag aaaaggacac gctttacggc 360
gcccttaccg aactcgtact agagctagag taatgggtg 399

<210> 31855

<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31855

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aaggaggagg cttaccacct ctcccatcat gcagccatcg gattggggagc ttccatttga 120
gctcatgtgt gatgcctcca attatgcact tggggttgtt tttccgcaca gagttataga 180
ctatcacatg tcattgctta cgcctcacgc ctctagatgg agcccaagtt aactcaccac 240
catcgatacg agcttttagc tgttgttttt acattagata aatttagatc ttattagctt 300
ttctcccata ttactgtcta tactaaccat gcagccttga cgtacctatt gaagaagctt 360
gatgctaaac gtagattgat caggtagatg cttcttcacg agtttgatat tgagatcaga 420
gacagaagtg gtgcacaaca tgtggtgact gatcat 456

<210> 31856
<211> 396
<212> DNA
<213> Glycine max
<400> 31856

agcttgtcct tgggaaacct tcaaaatgtg ttttggtgaa gtaggttccc ctccaacacc 60
aaccttaaga gcacaacgag atctgcaata tttatgataa acatatgcat ctacaaccac 120
ccttttgaaa tttttataaa cagaaagagt gagggcttgg agatctcgaa tgtgggaagg 180
ttgaagagac caattgaatt gggagatgtc tcatatgaac atggatttaa taaggtgggt 240
atggaataga ttccatgtc attgatgtca tctttgtctc caatctgaat gtttagaatt 300
tcacttgat tggtgactct tgaattagcc tegtctaggg cttcctccat agatggataa 360
gtatcatcct caaagtcaaa gggagttaaa aactaa 396

<210> 31857
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31857

tgacaatatt cacaagacta gtggtgagct tagagttcan aatgaagtga tgtcttccac 60
tctcaaggag ctcaaacct ctaataaaga gcttaaagat caacatgata aacttgagaa 120
gaagcatgat gagctcatca ctagacataa ttctctaaag gacaaataca ccacattaaa 180
aattgactat gatagtctcg tggttgctaa tgaactcgct cttgagacac atgatctact 240
aaccatgtgt taagtgtgat atagctacat catgtgatga cttgatcatt gaaagcattg 300
agcaaggttc tagtagcaaa ggcaagagtg tggttgagtc aagcaaccat gatgattatg 360
ccaagattaa gagtgagaat gagaagcttg caaatgagaa caagaagcta acagggttga 420
tggctcttga gaagcaacca acanatgagt cactcattga aga 463

<210> 31858
<211> 378
<212> DNA
<213> Glycine max

<400> 31858
agcttaaaag aataatttct agaaagttat ccgtttctaa aacgcacttg aacacatctg 60
aattgaagta gatgaaaact gaactaattt tgtaagaaag tttttcactg caaaattata 120
aatccttta tttgtatctt aagaaattgg ttattctaatt cttagaaacg tcatttttaa 180
aataatttc acaaaaataaa tataaaattt tcatgtttgc ccaaaatttg tcatattgat 240
tatcatcttc agagttgggt ctcatgtgta acattaaact taatcaaact aaattacaca 300
taatttatta tgttttatgt aatatttatt caaatttgat aatgtgattt tcagggttag 360
tgttaattct caagtcaa 378

<210> 31859
<211> 158
<212> DNA
<213> Glycine max

<400> 31859
caacatgatc ttaataaaca tgttaatgaa ccaaaactat gccatggctt atgaaacttc 60
acggattgct caagaagggg acaactatta tatctaaaca tgcattctaa atccccgata 120
tttggcaggt ggttaccacc gtcgccataa gtgacatt 158

<210> 31860

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31860

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agctttgcgg atttgggtctt cgccgacaaa aggatcgaag cggatctgaa aataggcaaa 60
tttgatcatc ctgctttgat gaatgagaaa actggggcaa atgaagagga tgagaatgat 120
gaaggaatcc atgttgagge tgccattcct acatggccaa atttcccatc atcccaacaa 180
tgtcattact tagccaatat cagcccttct cattacctac cacccggtca tccacaaagg 240
ctatcccaaa atcatccaca aagtttgctg accgcgcatt caatgccaaa gcgcaaacca 300
naacaccaac caagagatga agtttgcagc gaacaatcct atagaattca cccaattcc 360
tgtgtactat gctaacttng ctccatata 389
```

<210> 31861
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31861

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tgcagtcatt agaagaaaaa gaacatgtga ttagaagtat gactgacaat gttagtcagt 60
ttgtcagatt gatttgtgaaa gaatgcattg actgtattcc agtgagagtg tgatccttaa 120
attttaagag aaacaactat catttagtac tgatttttgc atgattctct gaagtatgga 180
ctaaatgcat gaattgagga tgatgaagge catgttttga ttgtggtact actttagcca 240
aaagctgacc ttgtgcttgg atgattttat ccttgcaccc agtttgagct gaatgaatga 300
ttgattgatt gaaccttgag cctatacagt cttagacttc tgctaccttg tcttaagttn 360
taggagagca tcatccatag aa 382
```

<210> 31862
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 31862

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agcttctact tatgtggtat ggcgggcttc cttcactttg ttgtctcaac cgcgagcttt 60
```

gaccaccgcc cttccttccc gtgatgcttc tctttacatc tgcttgagtg ggcttatagc 120
 ctaaaccata cttcccaaga tttcctttgg catttatcag gctagttatg tcaccgctgt 180
 ctttgccctaa acccattccg ggttcgtaac cgttcccca cataactcgg gccatcatta 240
 ctgctgcacg ggacaggcaa gcttgcccag agaaggagtc cacggaggaa atgcttacca 300
 cctcacaaga ctggaaagcg gtttctaata actcctctgc ggcttccaca taaggcatag 360
 aggatgggca gctcaccaag atgtcttctt c 391

<210> 31863
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 31863
 tataaactct atacaagaat gaagctctta taccacttgt tataaccagtg gcctcaataa 60
 ctttaagaggg ataggctcaa aatgcagaag aagtagcaat caatttaaaa atgttcttta 120
 aatggacaaa attgattgca acaaaataaa tgagataagg gaagagagaa tgcaaacaca 180
 atttttatac tggtttggca aagtccgtgc ctacgtccag tactcaagta cccacttgag 240
 atttccactc cttttgtaaa aatccgttta caaagtctga accacacagg gacaacccat 300
 cccttggtgtt caggaatcat tacaacttaa gagaccctta gtcccttaat cagtctcttt 360
 gaatgagaag aaagaaagaa gaattctctc ttgaagagaa ggatattaca attgaagtcc 420
 atggagaaaac tcttaataga tttgcaagta t 451

<210> 31864
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31864
 agcttgcttc cattttcagt catcaaagtc acctccccta tgccaacaat cttgcttggtg 60
 acatgggttg ccattctcac cataccaaaa tcctcttttt gatatgacaa aaaaaaaatc 120
 cttcatgagg agtaacaagg aaaaatactc cagagtcaat tatccatata caataatcag 180
 atgcaatatt aaaataattt tcattaccga taataaaaaa cattttcatc atttaatgac 240
 agagaagtag tggttccacc tttattcttc ttctttgggt caattcaatt agcatggata 300

gtccagtct tctgatcttt cttcaagaat ctaccctcaa acttcttatg ggctgactnt 360
ccgtaatagt agaaactaaa gccttt 386

<210> 31865
<211> 423
<212> DNA
<213> Glycine max

<400> 31865

taagccattg tgtaaaaaaa gcacatgaac agttttatac ccaacatgcc tctcctcac 60
acaaaagtct ttgaacttgg agtgtaaagt atgcacaagc ccaccttgac tagtggttaa 120
attcaatttt ttattcaa atatgggagca gtattaatca aactataaag gtcagagagt 180
tggcaacacc atgccattaa ctaaataatcc caaaagctta cagtgttggc gaaagctcat 240
gatagtttta tctggcagta gacatacctc agtctcaag ttcccaaaac acaagggaaa 300
ccgtaaaaat gaataaataa agacactcag acacctattc catgcttatg aaaatatttc 360
tagcatctct gctattgcaa aagtattgct acaaacggct tgcattgcaca tcatccaaac 420
cta 423

<210> 31866
<211> 382
<212> DNA
<213> Glycine max

<400> 31866

agcttggttt gaggtactta cccgttgaag actgaagaaa acgattaacg aacgatgaat 60
cttgaaaaac ggtcgagaat ctttgcgtaa ttactcacgg aaatgttacg gaaacgttac 120
ggaagcgctt cggcttggat tttcttcacg gaactaattt tcttcagcta tttcgagaga 180
gagagaagtg cctaaggggc tgaacctttt tctacttcac ttctccacct atttatagaa 240
aattagggga gaagcttgcc acccagctca cccaggcgag caaggttgct tctccagaa 300
gcaacagcct tctggaggaa tcttctggag ggcccaagtg ggctgattg ttatttgcac 360
ccccattttt actaaataca cc 382

<210> 31867
<211> 437

<212> DNA
<213> Glycine max

<400> 31867

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tgacttaact cagtattctt tgcctacca agtcaactctt ggctctaaaa aaatcaacaa   60
gatttgatgg aagggtgcac attcgctaatt attacatctt cttacacatg gatattctctc  120
tcagtatttt acttttttct ctacagattt agaaggtggt tcgagagctt actatctata  180
tagagattta caaaattttt tacagaacag aatagttcat atcttgatct tccaaacttc   240
tctatatata gccttcatct tcaagtatat gtagcctcac aacgggtgga tttttcactc  300
tgttcttcgc ctgaattctt gaggcgattg gagcttgctt catatatatg tcccttctca  360
tgcgaaagttc atgctgatac gttcgtgagt cattgacttc aacaagtgtg tgacttcttt  420
catcatagca catctat                                     437

```

<210> 31868
<211> 376
<212> DNA
<213> Glycine max

<400> 31868

```

agcttctgat gagctctaatt cagtattttg atttatgagc gacttacatc aaatctcggt   60
atatggatca tcatcatagc aattacacat gtaaccacac cgtcgctcgaa ccatatgatg  120
ctaccaattt gtaattcagt taattctttt tactgtaatt gaaaattcat aattaccaca  180
atgatattct taattctatg atgctatatt attttctgat ctattgtaac agttgtagag  240
gttattttatt agcttgactt gctgaataat attcattcga ttatctctca taattggttt  300
gaattctcct taatttgatc ttttacagga ctctttgttc ttaattataa gctttggatc  360
tttacaatata tatcat                                     376

```

<210> 31869
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31869

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ntgagatagc ttctggcctg agaatcaatt gtgctaagag ccaactcgga gcaattggtc   60

```


cacatttcaa atttgggaa

379

<210> 31872
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31872

cgccacgcgc gcgcgtggac ngttganatt ggatgccant tactatacac gcgacactat 60
 acaataactcg cgcttacaca ttatnagatg tcctatgcag ccactctgag ttctttctat 120
 gcacgctgat ttgaaggaat gtttcctatg cgactaatta cactgctaac cgtgatatta 180
 tcacggataa caattctaata attcctaata aaagtgcatt ttgagcactt acattcttat 240
 tctagaccat caattatgat tcatgaacca cgattccttg aatagaatcc ccacactcgc 300
 acaaattaat gtatactata tatgtaacgt gtctattgat gaatatgtat gtcaatctgc 360
 accagctgtg agattgagat gcaattgaac atcgtttgag ctacattggc attatcgagg 420
 cgagttcatg ctcataaggt agtgagactt gtcattacaa actgacgaga tttcttcgct 480
 cattcctgac ctactccaac ccatcatgcc ttcn 514

<210> 31873
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 31873

agcttgtgtt atgccctggc cttgaaatga ggtaacctcc actcccctaa tcattcttaa 60
 cattcatgta caataaagaa aagacttgac atcgagagta ttaagcacc tgaacgaaca 120
 aacaaatttc ttgttggcaa gaattatggc ataacctctg gaaagatgaa tcccagacta 180
 agagtgagct gaattcatac tgatttggaa gggtagttga aatgagaatg agatacttgg 240
 gtacaattca tcagataaaa caaaacaagg cttcatgaat tatgccaccc acaacatat 300
 cacaatttat aaagcaatgc tatcatttaa atgatatcaa tatgcggcag tgattcatat 360
 gatcacaatt ttcaaatgaa tctttca 387

<210> 31874
 <211> 357

<212> DNA
<213> Glycine max

<400> 31874

ctataacttaa ctatctctta ttttactaat gacatcaatc tttattcggt ttttaactac 60
caaatttcat ctttgatttc ttttctttgt tgttgctagt aatcaactac tgcccttatac 120
tttattagta tgcgacgagt gctagacaca gaggaccaga cttgtgtata tgatgctgct 180
gtcttaattt ttggtaaagt actcgcgat atgttggttg acatacatca attcacgaac 240
caacacgctt tgggaaacca ttattgatac atgcacgtgc tccgcgact ttacctacc 300
ataaataata tacatttgat ttacatgatc gatataataa tacttaacta attatgt 357

<210> 31875
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31875

agctttacag atatttatct tctttgattc ttgagctatg catttagagc taaactgtta 60
cttggagttg gttaggccca ataactgcc aaggtacagt agttaaagtc acagaaaaaa 120
gtatgaattt gtagcataaa aagggttacc ggtagtagct gtaacaattc agaataattt 180
taagatgttt ggtctgcgga agggcagcaa tgatgctcat gttttaaaac atccttgctc 240
atgaaaataa ttctaagtaa atgatgtttg gtatgcanaa ccttctgaaa ttgagctgca 300
accatatnaa aatgttctat ttacactat acatatacgg caaacatgtc gacataaatt 360
catcagttca caatattaca ctatagctc 389

<210> 31876
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31876

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attgggaaca aaattcatct gttaaataac ttatctgaca aataattcag acgtctacac 120
ccatgaataa aatttgggtt tataaaataa ttatagagta ttacatgga ttcagatagc 180

tgaagagagc cccanagaag ttaaaagtat catgaattca cagttttaga agaaaacaaa 240
 tgtgaaattg tacaaatgta cttgcatgat gtaagcctgg aattaataag tcgtgaattc 300
 ccgataaaaag caatgcccat agatcctggt acaaatttag ctgtacataa actaatgttt 360
 aaaacaattt agaataagca tgcattctgcc aggatagcaa gtagctaatac tgcattct 417

<210> 31877
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 31877

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 aatctgtacc tgtcacaagg gtttgtgggt tgtgtcctc tgttgaccac catacagaac 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc tgaagcttat gctgcaaaca 180
 tttaacaatag acctcctcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc aatctcagat ggctagccct 300
 caacaacaac aacaacagcc tgctccttcc ttccaaaatg ctgctggccc aagcagacca 360
 tacattcctc caccaatcca acaacaacaa cag 393

<210> 31878
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31878

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 ttctattttt cttcctctcc tccattctta caaaaagctt ttcaaaaagac ctattcttgg 180
 tgactgtttt caagagaagg tcttcttgggt tacaaacact gaacacaagg gaccaacgct 240
 ccttgggttc attgcaagaa gcaggacttg cttcttgggt cgactggac acaaaagcaa 300
 acgtcttttg gggtcattgc aagaagtggg tataacttct tggttgttat cattggacac 360
 aagggacca cgttccttgn gggtcattgc aagaagtggg aataacttct tgattgtaat 420

424

<400>	31879
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<210>	31880
<211>	420
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      31880
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tgtactgatg	ttacacttca	ctaagctatt	tttgactctc	tcgcttagcg	aaatgttgtg	180	
ctaagcaaac	tcgagagacg	ttcggtttct	caaggcctgt	cgcttagcga	acccttgcg	240	
taagctat	tattattatt	attat	ttttt	acaaatttcg	cagctacgct	tagcacggga	300
tcgaaccgnt	tagggagatc	tgcagatcag	aaaacctaca	actctcgcta	agccgggctc	360	
tgggccact	tagctaaaat	catgcattat	gagtgcagag	gagtgggcgt	tgagcggaca	420	

<210>	31881
<211>	548
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

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 ctcaataata gcacataaac taaatatatt attttatctt atctaaatca tatatatata 360
 ttctatccta ccaaatatat tatttta 387

<210> 31884
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31884

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 tttgaaacgg gttggctgtc tagaggccag ttgacgctgt gtttcattct gattccttca 120
 gcgatgtgca tgtacgcgtt aatcctgttt atgtccacac tcttccttta gctctttcaa 180
 ctgggggtcca ccatgcatcc tttttgccac ccttagtgga agttcctatc atatcatctt 240
 tgatcccttt atatcataac tgggatccag ttcttaaaat attnccttta cgccccctt 300
 catttacttg ctgacagatt ttatttgatg a 331

<210> 31885
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 31885

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 ggatgtggag agtcgacttg caccatcgcc cgatcgccac ctattaccac atatgacggg 180
 taccataaa tctacaagc ttgaagtgaag aaagtgtgga agagtcagtc ttcctacttt 240
 tattcggtga ccacagagtg gtacatggag atatgtccgc gcgtcacgca ccttgtggac 300
 gtcaagtggg gtgctatttc caaaaccaa gcttgaccaa tccacacca acctcgatcat 360
 agtcagtcag tgagaacctg t 381

<210> 31886
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31886

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 cgatagccac cgtttctgga gcgtacagca ccatcagcgc ttccaggtca tcaaacgatg 120
 gtcgcttcac atagagagggc gcattccgct cacggaggat gagtctacag acttttcacga 180
 agagatagct cgcacacatt ggacgtccct ggtgactccc atgggctaacc ttgacccata 240
 gatagtcctg gagttctatg ctaatgcccc cccacccacg aggcgtgcga gacaatgcgt 300
 tatgggtg 308

<210> 31887
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 31887
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 agacagggag tcgaagagtg agagcacaag agagttgagg gaaaaatgaa atattaaaaa 120
 tagtgaaaaa tattttaaga tggttttgta taaaccatct taaaattgca aaactgtcgt 180
 aaagctattg cattttattta caaaaatgtc actagacaca ttttccactc ctgaaaatca 240
 attgatctac attttaaatt ttaaactaac tataactcct ttctatttta agggagcact 300
 atcatcaatt aattttatct accacaaacc atttaaatat cagaaaatca tagagaatat 360
 tattttatat ttattaaatt aaatatg 387

<210> 31888
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 31888
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 ctcataagtc aagatcactt catgataaca aagatgatga tattcacgaa tgagtttaag 120
 attgagtcaa gaacacttta aagatcaaga ggacacttga tttcaagaat caagaatcaa 180
 gattcaagat tcaagattca agaataatca agatcaagat tcaagactca tcgattcaat 240

aatcaagaga agacttactt aagataagcc caccagttt ttcaaccatt gagtatcaca 300
 agaagttttc acaaaatcat taccaaagag ttttactctc tggtaatcga ttaccagact 360
 atagtagtgc attaccagtgc gttttaaaac gttaagactt tcacaat 407

<210> 31889
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31889

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 ggtgattttc cacaatggag aatcatcgga agacaaagga gaagagggtga gaggaggcgc 120
 catccactan ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg aaggatgctt caatggagga aaagaaagag ggagagaaag agagaggggg 240
 gtgcacgaaa tggaaggaat aaaagagggga gcacgcggaa ctttaagtat gtctcacaag 300
 actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactacgtag 360
 cttccttgag aagctctctt gag 383

<210> 31890
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 31890

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 cttgcatatg tcgtaacaat gcgtaaaaag catatgaaat agaatcaagg agagatacaa 120
 cctttacatt ctaatgcaag aacaacttga ttgaatggac ctctcttgat ctcaagtgtg 180
 tttacaactc actaatcaca caatcttgag agaaactttg ctttagaaat ctctaagaaa 240
 caaaaaccga agtttgtgag ttgtaaaagt tccccacaga ttgttgactc gagaacacaa 300
 ggaggggtaca tgtagagaag atagttataa cgggttgatc tcaattatta cgtgaacgta 360
 atcaattgca ttctccattt aatcgattaa tgtgtccttc ccaaatacta gagaacat 418

<210> 31891
 <211> 389

<212> DNA
<213> Glycine max

<400> 31891

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caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaattg 120
gttataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactttttatt ttcaaaacaa ttaccatttt cttgacatat cctataatta aagaaaaaca 300
tgcaaagtcg tacgtgcaca cgaaattgac ccaaaatatt aaactgaaaa tctgacgaaa 360
ctaacaacat taacaaatta acacaacta 389

<210> 31892
<211> 235
<212> DNA
<213> Glycine max

<400> 31892

tatacccatt ctttaacata tctcgagctg ccatcataga ggtatcatgc aaacgtgggtt 60
gtattgaacg agactccaca tatacactat ctacaatttg caacgctgga aacgatttat 120
ctaattgactc ctgtattgct ctaacataat gcattgaaga tggacacctt actattatgt 180
aatactaagc tgaaactatc acaagctgac ccccatcaca aattttaatt tctta 235

<210> 31893
<211> 382
<212> DNA
<213> Glycine max

<400> 31893

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taaaaagtta ttgttatttg aatttgctca tacgttctgt tttcaattac gatcgcttca 120
atatattatg ggattcattc ggacatccga gtaaaaattt attgccattt gaatttgcta 180
cgagcttccg atttcaatta cgagcgtctt gatatacaac gaataacaat ccgacatccg 240
agtaaaaagt tattgtcgtt agaatatgcc tccagcttct gtttcaatca cgagcgtatt 300
gatatattac gggactcaat ccgacatccg agtaaatagt tattgccatt tgaatttgct 360

catagcttct gttctcaatt ac

382

<210> 31894
<211> 383
<212> DNA
<213> Glycine max

<400> 31894

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gataaacgca gcgttgccat gtattcaaag cccgcactaa agtatacaac tccttatcat 120
aagtcgaata gttaaaggta ggaccactta cattttcaca taaaataagt cattagatgg 180
ccttcttgca ttcacacagt cccaatccca acatttgaag catcaaactc aatctcaaaa 240
gattcctgaa cagttggtaa cccaccatc ggggcattcc tatcttttgc ttaagaaaat 300
tgaaagcttc ttcttgctta tattcccatt tgaaaacaac atttctcttg accaccttat 360
tgagaggtgc tgcaatgtgc cta 383

<210> 31895
<211> 393
<212> DNA
<213> Glycine max

<400> 31895

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tagtacttct ctttctagcc gtgtatttgg ctatattaag acatttggat aatttagtat 120
ttctttatct gcatggtttg aatgaacaat tatgaattat attatatgac tatgtgtttc 180
atatttttta attattcata tatgttttat ttgaatatta tgaatgactt tttggattat 240
aagacattct atgaagtatt atctttctaa gattgatgaa tgacaagtta tctttttgat 300
tgttttctat tcttttgtat aacatttatg tatgggtttt atatttcttg cctttctaag 360
tttgatgaat ggttaaatta tcttgtttaa ttg 393

<210> 31896
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 31896

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 ttataacaag aattctgctc tgataccact tgttggatgt cgcaacctac cttcggcg 120
 gagggcgaag cgtgactcgt gggatgcgtg ttccacaaaa ggaatacgcg cggagtcgcc 180
 accaacgttt atttgaggaa aatgtcggaa aaaccggaaa atatgcgatc tacgaacttt 240
 taagtgaaag gttcgggagt tgtatttacg cacgngaac gattagcacc ccaacgtccg 300
 tccaaggga cgacagcctt taatcgaatg tgcaaacaatg actctgattc tcttatgttc 360
 cctctttatg tctttatatc ctntataccc tttttatatt 400

<210> 31897

<211> 395

<212> DNA

<213> Glycine max

<400> 31897

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 acccggaatg ggtttaggga aagacaacgg cggcatgact aacctgataa atgccaaagg 120
 aaatcgtggg aagtatggtt taggctataa acccactcag gcgcatataa agagaagcat 180
 cgtgggaaga aagagcggtg gtcaaagctc gcggttgagg caagaaagtg aaggaagccc 240
 gccctgccac ataagtagaa gctttataag cgcgggtctg ggaccgaagg tcaagtgtcg 300
 cgatatacga agatgatgtt ccgagtacat tggatttggg acgaccatgc cctcctgatt 360
 tccagctggg aaattggcga gtggaggaac gcccc 395

<210> 31898

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31898

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 cattaatcc agatttgccc ttccaactct caaagtctca ctctttttcc actcataaca 120
 ctacattatc actttctaac cctaggttaa ctctaccctt catccctagc agttttccat 180
 ccacaatttc agcacataaa catcacaagc atcatcataa aaaccctaaa actgaatggg 240

taagcttgac tcacacaaaa catggcaagt tcaacacgct tcaacaaatc tcttccaatt 300
aactatcaca aagcataaac caagtaaaac taccatcat atctnccaaa gccccatacc 360
cacgaanatt taggtgagaa gaagtctacc caaacctgag atnttgaggt cccacacgta 420
g 421

<210> 31899
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31899

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tcaaggaagt tttctcaaag aagctttctca aggaagtttt ctcaagaaag cttctcaagg 120
aagctaccta gtctataaat agaagcatgt gtaacacttg ttgtaactct gatgaatgag 180
agtcttgtga gacacaactc anagttcaac ttctctccct ttttcttctc tcaatttcgt 240
gctccccctc cctctttctc tccctctttc tttntcttcc ggaagcatcc tcccaagctt 300
cttatgcaag gctcatcttg gtggtgaagc tccttcttcc atggcttatt ccttaatgga 360
tggcgctcc tctcacctcc tttcctt 387

<210> 31900
<211> 410
<212> DNA
<213> Glycine max
<400> 31900

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tacctggaga tatgtcgcgg gggtcaggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaacc aaccgggca tagtcggtca gtgagaacct 180
gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtggtg gctggccagc tgtgcacttg attgatatgt gcatatggcc 300
tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaaat gaagatagga 360
ggctaagatg gtctctggta atcgattacc aagggatgta atcgattacc 410

<210> 31901
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31901

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 gcaagtcgac tctccacatc cacaaatcac acataaatcc accatcccca gttgcccacc 120
 ttcaactgag ctacgtact ccacgtagc tcttatcctc gttcctctca acaccgggtc 180
 cccatcaatc cctccaagct tccacaacat ccaagcaatt ccacatccaa acatcatgaa 240
 ctatcaaaaa ccaagaaaac agggcagatg cataaaaantc ccccaaaaaca caaccaatac 300
 cacagctttc cttactcaaa taccacagta acattctttt cgttccaatt cgttcaccgt 360
 tggatccact cgaaaatttt actgg 385

<210> 31902
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31902

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 agaagaatgt ggcatttacc tgnngtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgaac cctccctac cccacctatg acaagagctt 300
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 attcatagtg atcatcaatc acttaagtac attagagggc atagcaagtt aaacaag 417

<210> 31903
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 31903

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 gacagctttc cagggttctgc tatccactga tttgaggaag gccaccattc ttgctttcca 180
 atattcatag ttgcttccat cgagaattgg tggctctgtc actgggtccgc cttctttctc 240
 catgttcac agaatattac tccttagatc tcaactatgt atcccgagcg tcgctctgat 300
 accaattgaa attctgatac cacgggacag atgtcgtacc ggatgtcacg acatcacgct 360
 tcagaacatg 370

<210> 31904
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31904

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 ccgattgagc tcctgtaata tatcgagacg ctcgaaattg aaaacggaag ctctaagaag 120
 agtcaaacga cactaactct tgactcggat gtccgattga gtctcgtaat ataccgagac 180
 cctcgttaatt gaaaacaaac gctctgagta aattcatagc acaataactt ttcactcgga 240
 tttccgattg agtgccatcg gatatcgaga cgctcgtaac gcacacggaa gctctgcaca 300
 agtnaaacga caataatttt taactcggat ctatgatgga gccctttaat atatcaagac 360
 gctcgaaatt gataacggaa gctctatgaa aagtcaaacg accataacta ctgactctga 420
 t 421

<210> 31905
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 31905

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 ctttgttcgt gcttgctgtc ttagcacaat tttgaaccgc ttagcgctca ttagtggtatt 120
 ttggcttagc gcgtgctttt ctgctcagc ggatggactg aagcgggtgcg cttcgctgga 180
 tgacccttcg cttaggggcaa atgcatagct catccttctt ccagattctt cctcgcgctc 240

agccgagcag tgttgcgctc agcggatggc tcgcttaage tcatattggc tctcgacacg 300
gtgaaaatca tcaacttcaca aacttgccta atttacctga cattgagaga aaatgattat 360
taaacacaca aaatggacat tctaagtatt ta 392

<210> 31906
<211> 238
<212> DNA
<213> Glycine max

<400> 31906

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gacggacaat aatgcttaga gaaccatgct cgcttagccc gtatgacttg tcagctaaga 120
gaggggtgtct cgcttagcca gagtctggat ttctctgtag atgcactaag cgcgccctgc 180
ccgctaagcg tatcagctta tattctgaaa gcgcgctaaa cccgatgtct cgctaagc 238

<210> 31907
<211> 393
<212> DNA
<213> Glycine max

<400> 31907

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tgcttaagct cccgcaaaat cgaagcctcc ttcccaacag tgtacctgca caaattaata 120
gttaaaaccc aaaaagcatt taaaattctc aataaaatca aaaacaaaaa gctctagtgc 180
ttcattcacc ttatccccc aatgcagatta agcatcaact cataattctt atgccccttg 240
gaaactgttt atccaggtct ttccacctcg ctcgagaaaa acaacggttc ctctcatctc 300
tttctctata caatccgacg tcgttccgct gcggtaaaac atcgacgcct tcacattatc 360
gataatatcg cacgtgatgt caccggctcc acc 393

<210> 31908
<211> 243
<212> DNA
<213> Glycine max

<400> 31908

ctatcaaagg cttggcaaga caggtagttg tggatgcatt gacgtacaca acagtgcatt 60

catgatactg tactatctat gcacttaaaa cgactctatt aaaggggttaa gactacgcta 120
 ctgcatatgt gatctgagat gagatctacc atttatacct gccgaaagga catacacaat 180
 ttatgcacct tatcaattat gacgtactca ttacctacct ctgaattgaa ggtgatacat 240
 gac 243

<210> 31909
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31909

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 aannnnnaan acagccgagc ggtgattggt gcctcgacna ccanaggcga aacgagctcg 120
 gacgccggga tactatagag ccgacctgaa ggcatgcttg ctttgaaatg ggatttcgtc 180
 caactctttc cgatgttcgt ataaagcgca atgagcatag cgaatataca tgctgcatct 240
 gcaaagctat gcatgcatgc atacgtgcgc ctttaatacac acttcaatca aaacgaggag 300
 aaaactactt cttctgtttg agaactcgta atacattaaa atactacaca tttgcagaca 360
 ctaccttccg tattctcacc ttgaaataag atcactcata aaaacgaaga accacgtgtg 420
 tgagtaacaa tcgcccngcc cagccctgat catcagttgt gataaagaat atgctaaaac 480
 agagtacgcc cgctaccat tactgctgat cgatacaaac catagggatg cccc 534

<210> 31910
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31910

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 aaaaagaatc tattttaaca agctcaaaaa gaagaaatta acattcacac ttagagaatt 120
 gagacattaa aggtattcat aagaagaagc tcttcagcct atagtaactt ctgtataagt 180
 tgacttgatg tttaacctta aagtgggtggc agcacctccg tatccctcag tcgccgccgc 240
 cacaggctgc tgccggagtc gttggcgaag aagaaccgtg atcgggtggt catggcaccg 300

agcaatggag ggtgtgataa tgggggatgg aagtgtagta gtttgagtgg agaagctntc 360
aatctcaaaa agatcagaac ttg 383

<210> 31911
<211> 405
<212> DNA
<213> Glycine max

<400> 31911
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ttgccgggac taagaatgct tctccaaata tatataatat ctcaaggaac aaggctcttt 120
caagtatttg cgtcaacctt tgtactaaaa gttacattat ctaatatata tatatatata 180
tacatatata tatatatata tatatatata tatatatata tatatatata tatatatata 240
tatatatata tatatatata tataatacgc cccccccct ataccgagac atatatgcga 300
ttgtgcgatt tattcacatg tgtggcatat caatgctcgc gagacactgc gagagaaaac 360
acccgatcct cgcattacgt ctatgtattg cgactgacac gaggc 405

<210> 31912
<211> 364
<212> DNA
<213> Glycine max

<400> 31912
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ctatgcaagc tgaaagcctt ggaggaaaga tgtatgccta tgttggttgat gatgatttct 120
ccagagttac ctgcgtcatc tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgcgtcat caagagaatt aggagtgacc 240
atggcataga gtttgaaaac ggcaagttta tcgatcctgc acattgaacg catcactcat 300
gagttctctg caaccatcac accacctcaa aatggcatag ttgaaaggaa aaacaggact 360
ttgc 364

<210> 31913
<211> 366
<212> DNA
<213> Glycine max

<400> 31913

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 taatacatga cttgaaagtc tcggattcta aaacttatcc gttgtagaac gaataggggt 120
 gaataacgac ggaaaaactt cacggatttg ctcacagaaa cgtcttggaa acacctcaac 180
 ttggatattc ttcatggaaa cacttttatt tcacccaaaa cagctgatat gcatagacta 240
 ctgtgttagg gatattagga acgacattgc tcccctactc atttgatccc ggggatgacg 300
 ttgctgttca tttttgccag gcgatatggg ttgactactc tagaaacatg cccgtcttta 360
 tatatc 366

<210> 31914

<211> 386

<212> DNA

<213> Glycine max

<400> 31914

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 cacctgcgaa ttatagtaat gtacgaagag gtatcaacac acctcttgac tcatagcatg 120
 ttaatagtta gagccaaagt atgggtgttg attaggtagt aacgcagggt atacaagtct 180
 taaagctcta gacagagtga aagttttgca tctcccacca tacctattaa ctattattgt 240
 taaatcgggt tcaatattaa cttgaaatga ttgtcccaca gtgcgcaccg cttatgttta 300
 ttgaataatt gattcagtag caaaatgtca tgcacaaagc tattcttctc aaaagggtccc 360
 atgacagata atttttaaac ttctat 386

<210> 31915

<211> 376

<212> DNA

<213> Glycine max

<400> 31915

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 agaaaatctc gagtagttga catgcgttgc ggttcacgcc gacgggaacg ggtgacaacc 120
 agaggattac tcccgctctg atggaggcta ttagcggctt aatcgaactg tcttgatcatg 180
 gctgtaccgc ggtaaataaa agattcttct ctgaagattc gaatcctact gatgaactta 240

ttcgttgcag tatgctgtga atatgaatgc ccgctacctt ggcattccacc gattgttgta 300
aagtgaagc tgccgggtgcc tacactatga agtaatgcac tttttgcttc ctatcctact 360
catacattct gacttt 376

<210> 31916
<211> 476
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31916

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agtacaattt gtcgacgagt atcagaatgc tttaacccat tataattaga tcataatgaa 180
cgaggctctt caagatttgc gtcaaactta gcactaactg attattcttg gacactatat 240
atggcatatc aatccacatc gatctatata ttatgacaca tatatactga gaaatatcaa 300
taatcctaga tatgtggatt agaacttata acttccgcac ccccgacac ggccgcgcac 360
tgtatcgcat ctgatgatta caatagaaac ggggtgcttg ttatttgaca aaagatggct 420
acagacatca ccccgacgaa gagcttctat taattgacaa aacaccacca ggaccg 476

<210> 31917
<211> 393
<212> DNA
<213> Glycine max
<400> 31917

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tctctttttc ttttcatttt aagcatcatg atcaaattct taaaaaatga tccgtgacta 120
caatttcaac cggttgcttca aggttttttt gtagtcacta gctacaataa caattacagc 180
catatatata ggttctctac aatttcttgc aacatcaagg atcgtgatgg aactatatct 240
gctgtaattt aaaaccttga ttatgagttt ttttctgctg ctgcttaatg agggctctaat 300
tttgctcttc tctggattta tgggtggttg ttgtaggtag ttaattgagg taagttcaga 360
tccttgaggt ttggtaactt gcttctaacc cgg 393

<210> 31918
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31918

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 ccaacagtga gagagaaatt tcaaaaacac cattccttaa gacggatctg taatgggtctt 120
 atggaatgtc aatccgtttg tctatacata attttttaaaa atgtattdtta caaattaatt 180
 taaaattaat agctcatgta gaattcgaac ctatgacttt aagggttatta acacaacact 240
 ctaatgccaa taagccaatt atattataaa ataattacat tgttttatgt aacactaaaa 300
 tttctaattg atatttaatt cacatgtaag tntatataat aattttttgtg ataattttga 360
 tctcataatt aattctttta catatataaa tttttattaa acgtataatt tttatt 416

<210> 31919
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 31919

agcttgacct ttgtggctat tgccatgaat ttgcgggtga acaaaagata tggctagttg 60
 tatatggatc tagaaattag aaaaaccata taaaataggt tacgaaagga ctctagtagc 120
 tatcttacga ttatattdttg aaataggaaa ctaatttgac tgcacagctc atgtttatttc 180
 gtgtgacttc agtccgagta gaatgttaat gagctctttt ggctgttat ctttctatta 240
 atattgtcgg ttgtttcttg gtacaacaat ggtcggcctt acggcccggc gatttacaga 300
 ggatagccgt ccatgatcca tgatccatga tgaagcagtt at 342

<210> 31920
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 31920

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 tttttttaat agcttgattt gaaccatgtc tgagtttgta atccggacta tctaattgtac 120

aaattagagc acctaataatt aagtgcattt tattaattaa gcattacctc cttttctttg 180
acattaatga ggcgactact attaacctcc cattaaatgg ttaaacaaga gtgagtgacc 240
attacacaac attgtagtat ccatcaatta ccctaacgcc tcctccatgg aaactcttac 300
aatgtgtttt taagttactc tttatgt 327

<210> 31921
<211> 385
<212> DNA
<213> Glycine max

<400> 31921

agcttgtgca ttcaatatcc tgatgagggt gttccatatg ttctaaagac tagactaata 60
catttgctgc ccaagtttca tgggtcttgc ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tttgttccac catgaagccc cctgatgtcc aagaagatca tatctttcta 180
aaggcttttc ctcatctctt ggagggagtg acaaaagatt ggctatacta ccttgctctc 240
aggtccattt tcagctggga tgaccttaag aggggtgttct ggagaaattc cccctgcatc 300
taggaccact gccatcagaa aagatatttc aggcacagg caacttagtg gagagagctt 360
gtatgagtac tgggaaagat tcaag 385

<210> 31922
<211> 417
<212> DNA
<213> Glycine max

<400> 31922

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gcccctactt ttgaggggca actcccact tatgaagact atcccgggca agacgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atcaatcccc gtatgaacta 180
ccccagccga acatagtctg ccatatcccg gcctcaccca cgcccgtaaa agaactctgtt 240
cccttcggcg aagatagggg aaagattgag gcgccgaaga gaggttgagg gcgtcgaggg 300
cctcggaat tacctattct cggatttggg agatttatgt gttgtgcca acatcgatc 360
ccctcccaag ttcaaagtac caaactttga taagtacaaa gggacgacat gtccaaa 417

<210> 31923
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 31923

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acatatcgag acgctcgaaa ttgaatgttg aacttttgag ctaattcaaa cgacaataaa 120
atTTTTctcg gatgtctggg tgagtcccg agcatatcga gagctcgaa attgaatgtt 180
gaacctctta gctaattcaa acgacaataa cttttttcac ggatgtctga tagagtcccg 240
taacatatcg agacgctcga aattgaatgt tgaagcttca gccaatcaaa acgacaataa 300
ctTTTTctc agatgtctga ttgagtcccg taacatatcg agacgctcga aattgaatgt 360
tgaagctctg a 371
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<210> 31924
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31924

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aagttactgt cgtttgaatc tgctcagagg ttaaaccattc aatttcgagc gtctcgatat 120
gttacgggac tcaatcagag atccaagtaa aaagttattg tcgtttgaat tgtcttagag 180
cttcaacatt caatttcgag cgtctcgata tgttacggga ctcaatgaga catccgagta 240
aaaagttatt gtcgtttgaa ttggctcaga gcnttaacac ccaatttcga gcgtctcgta 300
tatgacggga ctnaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 360
gcttcaacat tcaatttcga gcgtctcgat atattactgg actcaatcag acatccgaga 420
aaaaag 426
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<210> 31925
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 31925

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atcgagcata ctctgatggc tgctgacgac gtttctgaca tatgtgatgg tgc 293

<210> 31933
<211> 122
<212> DNA
<213> Glycine max

<400> 31933
cgtattctag cttggttctg gaataatcat caaaaaatg caaaattaaa caacacaggt 60
actcgcgga gaacgttctt ccgcaggaat ggaaagctct cccgtggaag aacctttctt 120
cc 122

<210> 31934
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31934

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cataaagcct ctaataaaac aactctcatc atctctaagt ttgacttcct acaatactct 120
agtacatatc catattaagt tgggttatat taatagttac ctccagtcgt aaaaataaag 180
tcttatgaaa catatacaaa tactcgggtg ataatcgata tggtcattatt tcaatctatg 240
tgaagagtgc aagaagattg taacaccacc ccaccacttg ctctctaat gtgattgatg 300
ggggaccctc ccagctagct atcttagtag gatcaagcta tactcgaaga tataacgggtt 360
acaccatacg tgaaagcctc gtacttgata aaccn 395

<210> 31935
<211> 337
<212> DNA
<213> Glycine max

<400> 31935
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gagtattttc ttacatatta tgtgcctata ttgttgcgct caactgggct atggaaaaaa 120

taagttgctt gatgagatat actcgtacag atggatgaaa attatatcaa ctattaatta 180
aaatttaa atattttctta tctttataat atagcatttt tgtgtttcta atccatgtaa 240
agtttttttt ttgtctttgg caaattatga ttctctctct acacactctc cgacaagctg 300
taaaattatt atctaataca tgtgaagaac attaaag 337

<210> 31936
<211> 397
<212> DNA
<213> Glycine max

<400> 31936

atgttgattt gggaagggag tacgaggaat ggcgaataat ttaagcccct caaatgctct 60
aacagtgcgc catcgatata caaactcagt tatcagaaat tcattatgct ggggccatga 120
atccattatc caactgactc gaatgtgata gcaccgcgtt ctgcttagac tcaggcgata 180
acaaatgaac ggtcttcacc ccgaattagg ttatcagtca acacctcctt gaggtgagt 240
tactccacac attttaactc cctcctaac gctgaagcct taactttact ggtagcaaca 300
gagataaatt tcactctcaa taccatctta tgaaaaatgc actgagagct actactcaca 360
acaccacccc ccacaatatc actcacctag cccctaa 397

<210> 31937
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31937

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aaattaatct taaccattaa ttaatcaacc cctatattat aaatgactac cattatttgg 120
tacgaattga gacgaaaaag aattacaaat catgtcaa atcattattta atctatacta 180
tcatttatgt ctattttctaa attgaattat caataaataa ttntattcta ttagtacatg 240
tgccatttat tctaaaatta aaattaataa ataatttgta acactaaatt tatcatagta 300
aataatatac accaattatc aaacgtgtaa gtgttaccta agaagtcctt ttctccatcc 360
ataagaataa agtaaaggcc tatcggacat ataaa 395

<210> 31938
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31938

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 ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
 aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240
 gagatagatg gtctgaagag gatagaaaac gactacacac aacctaaaag ccaacacata 300
 ataacatctg nccataggaat ggatgaatat ttcagagttt caaattgcaa gactgctaag 360
 gaaatgtggg acactcttcg attaacacat gaaggaacta cagatgttaa aagatc 416

<210> 31939
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31939

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 atacactact ccggtcttac aaccttggcg acaaagatgg tttggctgac ggaggggtgat 120
 gatagcaata catatatctt ggaatgggaa gagcataaca gctacataga attggaccat 180
 agcaggccct gaagacattc cagagtaccc acacgcttca atgactgtgt ttgacgttgt 240
 taagcaagta ctaatatcta ctttggtatg ccattatct attccactat ccctgncttt 300
 acctagttat tataataaaa gagaatacat gcagtcttga ctctgttagc actgtgagcc 360
 ataagc 366

<210> 31940
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31940

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 ataatgtatt ntttaaatagt gcacaccagt tcaagaaatt gtacttgaaa attcagaaat 120
 tcctgttgaa acatttgcac caaaatactg caaataccaa tttcctttac ggattgcctg 180
 cggtcctcct caagcctttg attcattgaa tgactttttt tcacttcatt tggcaatagc 240
 agaaagactg ctacttatgc atgttgattt gattanatcc tctacatttc aatactggct 300
 ggtacaatac atttaaccgg tccttgaatt tatattttat aaccaa 346

<210> 31941
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31941

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 ggaatattca aaatcagaaa gcataaggaa aatttcattt gcaatcccac aatctaggaa 120
 acaaccatat aattatttaa gggaaaacct tccatagaca acaattcaga accttaaattc 180
 tacacactaa ataaaaaggt aaagaaaaaa caaacaaaga aaacactgag gtacatcatg 240
 caagtctcga taatttaaag actcagctct gaattgagac gactgacact gatcgagatt 300
 ccacctana aactcattag cacactggag tgtgaccaca ttagaagggtg acagggtcgat 360
 ctagacaccg taacaaattn tttccatcat 390

<210> 31942
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31942

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 gccgaaggag tgttgaaaaa ttactcaatg catttttgta ctaaatggat atacatttct 120
 tataaaatgt aggtttgttc tatatgcctc tccaatgaaa aggacttggt ctttggttgt 180
 ggacacatgg tgagttcttc caaacgccat tccttttttt tttttttttc atattgccat 240
 acacatgata actatgaagt tattcttacg caaactgcag agactgtgga tcaagttatc 300

gaagtgtcct atatgccgtg aacagatcac aaaccatatt aagctatttc ctgngtgatt 360
atgggccagt ttgtttaaac ttatttgttt aaaaaagttc ttattttaat aaaataa 417

<210> 31943
<211> 390
<212> DNA
<213> Glycine max

<400> 31943
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gggtcgggga caaaacgtac gccagtgcc tgaaaaattc gcatgggcat gcgcaagctc 120
tcttagcacg acgttttgatt ttagatgcc aacaaacaac ctgccactaa agatgacatg 180
tcttcttcct ctcatcccg caaaacgacg ccgttcattc atggggaccat cctactaatg 240
tacatgcctt tcagaathtt aaattggctt aattataaca tcatcagaat ttattattta 300
agttttatht tggtaaattt tatcacttta aatttataat tctataaatt ttattactta 360
aatttttttc acaaatttta ttatttaaat 390

<210> 31944
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31944
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gcatgaataa aatgtaggtc tcttttaagc ccaatataag cttagcccac aaaaagtatg 120
tgcaaattgg gctttccatg atcttagagg taataactct cacatatccc aatattccat 180
gatcactgcc aaaattcgga aaaaagtgca tagttaattt cagctacctt tgctaaatac 240
aaaatcaatg atatccttag gtttttggac taatcatatg aaaaccaatg acaataactg 300
gtagaggcga agaaggcaaa gattcgcgtc cagactgtaa gtttgtgatg aaacctaaaa 360
ggagacagan attgngtttc gtttcaaacc taaggttttg gatttaggac aaaaga 416

<210> 31945
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31945

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tgatatcgga tcttcattgt caattaacct tcaactcttct ttgagtaaaa tccaatatct 120
cagcacttcg aagatgattg aactcactga aggaggatta tactacctct agcatcctag 180
ggaaatccct tagactgttc ttctgttttt actaatactg taaatacaaa caacaatgac 240
tttgctttta acccgtgtca ttataggctt ggaaatcttc atctaagatc gttgataaat 300
ttgtactact ttcccttaat ttcatttaaa taaaaaccaa gtttgtgact ttntctgtct 360
tgctaaatag tcaagacaat ttc 383

<210> 31946
<211> 427
<212> DNA
<213> Glycine max

<400> 31946
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atccaatcct tgtgttcgga ctctcagcca cttatgatag ccgtcgatga tcccattact 120
gcttccccta agctctctgt cctttcttca cgccgcatcc catgccttgc gaactccttg 180
gagtaccctc gcgttggtgt cactgaaacc ccgtgcgatg aaaggcgtga tgctttcgtc 240
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tacaaccctt tgttcccatc aagggaacat ttggacatcc ttcgcatgaa gatagaatct 360
tgattcttcc tttcttctag cgagggaacc aattaacaga cgcccccca tgctagccaa 420
gagttgg 427

<210> 31947
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31947

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agcactaata aattcttgat cactacctag aaagcctttt gcaaaacatg tttccctaaa 120

tgtaagatat accaccccat tgactattct aatgtcattg taagactgtg cacctttggc 180
 agtagatagc atcattctaa ggtaaaatag tctacctgct gaaggcgagg cccatatgag 240
 tcttcctatt gtattccctt attttcttgg atgctagnac ttcccgcgagg cgaataaaca 300
 aatcttgaga tatattgatg atatgtaaga tcccgcccat aagaatatat ttcggttagaa 360
 tgcattccacg ctgtgaacat ggattatttg a 391

<210> 31948
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 31948
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 taaaagaagt agctatccta taatggagaa taaaattgct aaatctagat tttaacgctt 120
 tgggttaaag tatgatgtca cattcataga gtgaatgggt taaccgccac ctatagacat 180
 gtggatcttt ggtattgaaa gactttccga ttagtgagct cattcaaata tgtatgatga 240
 agttctatgg aggactattg gatattca 268

<210> 31949
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 31949
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 tccaccaaca acctccaaca ctaggttgaa gaccttctta gcacccccaa cttacgtgcc 120
 tactcacatg caacaccatt cattaatgca tgtatgctat gatcattcaa ataaaaatca 180
 ttgtatcaca ctattaacat attcattcac catcatcaat ataattcatt tcatcaacag 240
 ctcaatccat tatatattaa ttcaattcat catacatatc gccattcaac atacaattta 300
 gcattcatat gttgttcaat tccacatcaa ttcattcttc atatcattct caccatccat 360
 gaactctcaa atagttcatc tacacctcat ga 392

<210> 31950
 <211> 376

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31950

tcttatncaa ggctcatctt ggtggtgaag ctctttcttc tatggcttat tccttaatgg 60
atggcgcttc ctctcacctc ctttcctttg ttttcgctg catctccatg gtggaaaacc 120
accattaaag gaccccatg aagctcaaag atccagctc catagaagcc ccacaagcaa 180
gcttccatca actactacct gcgctaagt cacttocaat gactttaaaa caaatgatg 240
ttggagttaa gcacatcctt tnttgtaac ccccttgaa agctccgta cagaatgaat 300
ctggggctta gcgtaggatg gcacacttag cgcagctatc ataaattttc acagagagga 360
agtggcgctt agcgca 376

<210> 31951
<211> 383
<212> DNA
<213> Glycine max

<400> 31951

tagctttact cttatttatg tcctcgaaaa gccgcttaa tcaccgaaca aagcatgtcc 60
tttttcaaag ccaacgattt tttttattga catcactaca attaggtaat agtaataaag 120
acttgtattc tcactccaca aaattgtcac aaatttgaca tatataaggc acattcctag 180
caaaattcaa aaaatagcgc tgttttacag aaatagcact ctagctaaag aaaggaattg 240
aaacttgaat atcaggtttt gattatcttt ttgacccccg atcgctatct atagaaagcc 300
aaaatgtatt tatgttgta ttcattttcc aaaatgaaaa aaatctatta atctagatgt 360
agttattaat tttccatact atg 383

<210> 31952
<211> 204
<212> DNA
<213> Glycine max

<400> 31952

ttgcaaactg aattacactt ggacccttat agacttatca attaatatga gagctatgg 60
gcgcggttg gtttataaga ttaactatat tggcgatggc tacgctgaat gatatcacgc 120

tggacttgta atgatgggtgt atgctataac ggtaagatat gccaatattg catgattact 180
gccagatgtg agactaacgt gcat 204

<210> 31953
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31953

agctttgatg atatgggtctt caccgacaaa aggatcaaag tgggtctaaa aagaggcaaa 60
tctgatcatc atgctttgat caatgccaaa aaaaaaaaaa caagggcaaa tgaagagggt 120
gagaatgagg gataagccca tgctgtgact gccattccta tacagccaag tttcccacca 180
acccaacaat gtcattactc agccaataac aaacctttctc cttaccacc acccagatat 240
ccacaacggc cattcctaaa tcaaccacaa agtcgtctac cgcactccaa tgacgaacac 300
canctttaga acaaaccaaa acaccaacca agaaatgaat tatgcagcaa aatagcctgt 360
agaattcacc ccaatt 376

<210> 31954
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31954

tcaagaataa tggacttagc acactttctta tttctataag gaaattcaat caatagacct 60
ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgag 120
gcaatacact taaatatttg gcaagtcata aaaatagggc cttatatacc caccacagtt 180
gaaagaacca caatatatgg aagcacaaca agtggaagca caacaataga aaaacctaca 240
gatagatggg ctgaagagga taaaagacga gccactataa tttaaaagcc aaaacataat 300
tacatttgac ctgngaattg atgaatatatt caaggtttca aattataaga gtgctaagga 360
aacgtgggac actctacatg taacacatga aggcacaaca gatg 404

<210> 31955
<211> 269
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31955

agcttgtagc aatgtaanaa acatattctt cgaccttggt aatccttgac tccatctcat 60
tgaatcgcat gtccacttgt aactccaagg tattaaacct ttcagcaaca aagggttgaa 120
gaccatcaaa cctgtccaaa atcttttgaa caaaaaagga atcttctcca ccatgttagt 180
gtccttcttc atcgatgggt tgagcatcct ttttcacca agagccatca tgctctttac 240
gggtaccaaa ggatgcaatt actgcagta 269

<210> 31956

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 31956

tgcttacgat ggatgtatct tcaccgtaca catatatatt atatcctgct gagagtgtat 60
gtaattccga tagaataaat ggccaatcat catttttagct tctacagtat gcaaattggt 120
gatgatttaa ttcttaataa aaagaacact ctgatttata ttctccccgt ataaacacca 180
taaccattac atcttatcta taagccaatg ataagattcc ttcttaaacc tttatcactt 240
agtgttcaat tgatttttat gaaaccctac tcctaattgac ccnnttatga atattatgat 300
gtaatgacca atgatccca 319

<210> 31957

<211> 356

<212> DNA

<213> Glycine max

<400> 31957

tctagcttgg aggtaatttc ttgaaagaaa cattgtaatc tcagttgctc tttcaatctc 60
taactcaaaa atatcattct cttctcccaa acatgactca tgtgtgcata gattcattgg 120
atagatacac gtgtgctaca gctccttgctc ttgcaattt cgaaatctac ttcaaggtag 180
gggggttctt ttctttctca tgttttattgc gtgacgatgg agctcacacc catgttgagg 240
gtcataaata attgatttac gggttttagaa aacgccccgc taagtctca ctgtataaat 300

gatgatacaa gttgcttgat atttgtgtag cgaatgtctc atgaatctcc tattga 356

<210> 31958
<211> 234
<212> DNA
<213> Glycine max

<400> 31958

gtcttagaac tgaggataaa tcaataactg gcctgtacgc tcattgctcg cgagtatgat 60
attcactacc taaggtttgt agtacatgat agctcccacc ctattacgca tcgaggcgga 120
gtatcacgag caggaaactt gaatggctgc cattgccaat gctgaccgta ttctgcgctt 180
cactatacgt gtgcacacat tattgcatat tgcggctatg cgatcatgaa ctac 234

<210> 31959
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31959

aagagaggta tataacttga aatctgtgaa aattctgac ctatctggcc gctcaaaaat 60
tgacaagttg gaagaagata tagtgcacat ggaatccttg acaactctaa ttgctgacaa 120
tactgatgtg aaacaagtgc ccttttcaat agtaagctcc aaaagccttg gatatatatc 180
cctttgtgga tttgaaggat tatctcgtaa cgttattcct tctatcattc ggtcttggat 240
gtcacaacaa tgaatccggt atccccattg gtcattccct gcacattatn atnttttagat 300
tccatggata tacataat 318

<210> 31960
<211> 361
<212> DNA
<213> Glycine max

<400> 31960

agctttttaag tgataggatg tgactcttca cctttgaatt tgaatttcaa cggtcaaggg 60
cactggtaat cgattaccaa aacattgtaa tcgattacag ccttttgaaa ataattggaa 120
cggtgtaaat tcagtttgaa aactttttca aactcatttt gctactagta atcgattaca 180
ccaatatggc aattgattac cacagagtaa aaactttttg gtaaagggtt tgtcaaaaac 240

tcatgtgcta ttcaaagatt tgaaaaaact ttttaatccc atcttgattg atcttttctt 300
cattgttgaa tcttgagtct tgaatctaga tcttgattct tgagatcttg aatcttgaat 360
c 361

<210> 31961
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 31961

tgcttctata gagaagattc atccttggat ctaaagctat cttatcatca gaagaaacat 60
taccacaata aggaatttaa cattgaaagc atcagaacta tgaatatgac tcgattttgc 120
tagcaataag ctagttgtat taatgagtgg gtaaagtatc tttactcata atagctcaga 180
caaaatcgtc aacaacaaag tccactgatt ggcgcttctg gtaagcttgt aactcgtaat 240
ttttagttga aattgtcaat tctacacatg caatccacat ctctcaacac actcttggat 300
gagccttnca aggattgtgt tgccttatct aacttttctt ncttttccag tgataaggta 360
aagctaaaaa attgagtctc ccaatgtttg atataagttc tgtaagacca tctttaat 418

<210> 31962
<211> 385
<212> DNA
<213> Glycine max
<400> 31962

agcttggttt atggtactta cccgttgaag atcgaagaac gatgaataac gaatgacgaa 60
cgtcgaagaa cgggtgaaac ctttgcgaaa ttcttcacgg aaaacgttat ggaaacgttt 120
ctgaagcgcc tcggcttaga ttttcttcac ggaaacaatt tttccaagct aattcgaaag 180
agagagaagt gcctaagggg ctgaaccatt ttcttcttca cttcctcccc tatttatagc 240
acaatagggg agatgcttgc cgcccagctt gccagggccg ccacgttgct cctccagata 300
caacagtctt ctggaggaat cttctggagg gcccaagtgg gcttggttgc tatttgcacc 360
cccatttcta ctaagtacac ccccc 385

<210> 31963

<211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31963

tntagccaaa tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60
 cctttccttg ttttgaagct cactacaagc ctcaagtga aaaccatgat atcaccatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg ggtttttgtt 180
 tcattggata acttgttctg ttggctatac ttcatgatgt attttgggcc atacttgatg 240
 tacattgtat attgggttaa tgttggacat gctactgcaa cggtgtttct ccaggatata 300
 gagtaaaaaa aatgaaaaaa aaagcaataa agttgagtga ataagatctt aaatggcaca 360
 agaatgatga gactccttggc tctactctct atgcttaa atttatcttct tttta 415

<210> 31964
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 31964

agcttacaac atatcaatct ctctcttttc actaatgaat tattcaatat aaatggttct 60
 ataggctagc taactcaa atcacacattc ttgggacact aacttgtcta tagttgaggg 120
 tgcattgttc ctatggccat agtggcatat tctaccttag gaaaatgtaa agtgcacttg 180
 ttgatcatta gctaaatct cttgatgaaa tctaatacaa gctcatcaac caactacttg 240
 agattcatta tatctactat tgcaaccttt gactgttgct atacaaaaga tcatggaaca 300
 cttttncata tttgctta atttaataaa atttggtgga agggaagaat accaagtga 360
 attgtgttcc tgtaaggat aataagaac 389

<210> 31965
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 31965

tcttcttctc catcgcgctc aagaccgtga caactctctt tttcttctcc atcgccacct 60

tacctaggta cgtttcgtct aagctctatt gttctattga atacctaggt ctgtttgggg 120
aactcgtggg taaccaagg acctttgttt gtttctgcta caaggattgg ggaactcttg 180
gtgacctgag gtacgtttcg tgcgtgggc actggtgctt acagggcttc attttgattg 240
aggaaaagtcg tgctcacttt gcagttcttt gaatgctccc tgtctgttgt aaaactgggt 300
agcgtagtgt agtgtagtgt agcattgttc atttggattg aacaattctg gtcttttttt 360
tatgtttttc cctcctatgc attgatgtca tgtatccatt gaaagaggca atact 415

<210> 31966
<211> 253
<212> DNA
<213> Glycine max

<400> 31966

tagcttgtcg ctggagctgt cccattaact gtcctaactt ttttagactg gtgatcccta 60
tgctcttgac cttgactaga tagaacctct tttaaacgaa ggcatttgac ttgatctcat 120
ggtttactaa agtgaaacaa aatctcgcg cgaatcaaac tctgacatct attatgggtg 180
caatggatga atgcatgaac aaatgcatat aacacagatg caatttatga atactggagc 240
ccgggaaatt gtc 253

<210> 31967
<211> 184
<212> DNA
<213> Glycine max

<400> 31967

gtttgttcgt agcggacgta cggatgactt tcggatcaag ttgatctgta aaaagcttac 60
ggatcaactt gatccggaag gatgttacag atcaagttga tccgtaagat acggatttga 120
tccgtaacat tttccggat caagttgac cgcaagctcc ggatccactt gatccgtag 180
tgta 184

<210> 31968
<211> 378
<212> DNA
<213> Glycine max

<400> 31968

tagcttatgc tgcaaattatt cacaatagac ctgctcaacc tcagcagcaa aatcaatcac 60
 agcagaacaa ttatgacctc tccagcaaca gatacaatcc cggatggagg aatcacccta 120
 atatcagatg gtctagccct caacaacaac aacagcagcc tacaccttcc ttccaaaatg 180
 ttactggctc aagcagacca tacattcctc caccaatcca acaacagcaa cagccccaga 240
 aacaacaac agttgaggct cctccgcaac ctttccccac caactttcac gcacatgatt 300
 atgcaaaaca tgcaggttct acaagagagc acaggetcca ttcagagctt aactaatcag 360
 acgggacaat tggctaca 378

<210> 31969
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31969

tccttgagaa gattcctaaa gaagttatag cttatcttca tacaccccct ataatagcta 60
 agctcacccc catgccaaaa tacatgaaaa tataaaaaaa gtccctatct catagactac 120
 tcaaaacgcc ctgaaatata aggctaatac cctatactac tataatggcc aaaatacaag 180
 gccacaaga aggaaaaaac aattataaca ttacaaaaga agaatggatc caaccttgac 240
 ccatgggctc aaaaatctac cttaagggtc ccacaccctc agggcctctt taatagctnt 300
 agagcaagcc tcttgagatc ttctatccaa tacccttggg gggtatgatc tcatcatccc 360
 ctccaccctc gaaggatttg accttaaatac tgagggtcct atactctac 409

<210> 31970
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 31970

agctttgatg atatgggtctt caccaatgaa aggatcaaag tgggactaat aagaggaaaa 60
 totgatcatc atgctttgat aaatgccaaa acaactaggg caaacgaaga gggtgagaat 120
 gaggggagaag cccatgctgt gactgccatt cctatatgac caagtttccc accaacccaa 180
 caatgtcatt actcagccaa taacaaccca tctccttacc caccaccaa ttatgcacaa 240
 aggccatccc taaatcaaac cacaaaacgc atccccacac aaccaagcta aacccactt 300

ttagcacgaa ccgaagcacc aaccaaaaagg gaattttgca gcacaaaacc ttaggggtctg 360
ctcacatatc tactcgataa ttca 384

<210> 31971
<211> 420
<212> DNA
<213> Glycine max

<400> 31971

tcaatggagc tacatcggta ttgtagggca cctagactag tttttgtact agaggtagtt 60
ttgtaatttc acatgcatta agtgaatatt tgatgtgtgt gttcgaaaat aaatttaatt 120
gaattgggag aagcccaatc caattaaatt ttagaggggg aggtgagcat ttgcttgcta 180
caccctattg ccacatcata ttgtcacact ttgtgcatgt ccttcattgt ttacatgcct 240
catgaccctt aagtacactt actggagaat ctgcacttg atcttgga gtgggctgaa 300
ccatagctaa aattctctaa tcataattaa tgaaaatgtg gtcacacata ttcacaccca 360
aattcaagtg aaatctgaat agaaattcaa atctacctcc cattttgtga gacacttacg 420

<210> 31972
<211> 374
<212> DNA
<213> Glycine max

<400> 31972

agcttggtgt ccgtgtacac gggtccggta atgggtggcat tgacggcacc ggtgggtcatg 60
ctcacttggc tgccaccata agtgggtgaca ttaagttgca gccttttaga gtcattaccg 120
gcttggggtct gaacgggggtt ggtgagagtg tcgaagttgg agattgagag gaaggaagaa 180
agagtgtgaa attgtaaaag ttcaaccttt tgctgtcgt tgagtgtgtt gaggaatcct 240
gcttttagct ttgagaaggc agaatacagg ggcacaaaat ggtcatcccc cagaacctga 300
cgtgaggagt tgagagttga gttggttgat caactgggtc gtcttcagaa gccgaatcag 360
aacagaaaat ctct 374

<210> 31973
<211> 256
<212> DNA
<213> Glycine max

<400> 31973

tatgttttta aaaaaaaaaac ctatttactt aaataggtca aaccacacgc cttaagaaaa 60
 acatattaag cttaacggtc gcctcactta gcaataatat tttataataa aaatattatt 120
 attaatataa tatctaataa aattatTTTT ttaaacttac aaaattattt tagtagttca 180
 acaatttgaa tcattttaat taatgggttaa catatgttaa ttcataataag catagatgag 240
 tatcaggaat atgaac 256

<210> 31974

<211> 376

<212> DNA

<213> Glycine max

<400> 31974

agcttgtcaa agagttgatc gtgttgagat aatccaattt tgaccagaca gaacctttta 60
 aggataggtg tcctgaaatt gcatctttta ttcggtataa gagttgagca actactatgc 120
 cacgtgacta aggttgtcaa tacggggccgg tccggctcgc ttttggcccg ctataaacgg 180
 gccagtttag cccgtcctgc taagcaaaac agcctacctt tcttagtctg gccattttca 240
 agttggccca cgggccaccc atcaattctc tatttatTTT ttcagattat gtattggatt 300
 ttatcgctgt tggtaatatc aactttgaat ctaactcttg tctttttata attttttata 360
 actaaaaata ataata 376

<210> 31975

<211> 391

<212> DNA

<213> Glycine max

<400> 31975

tgagaatgat gaatcaaatt atcattattt tgtaattttt tttgtatggc gatgaatcaa 60
 actataaatt cttaaaggca catacttcac tccttttaat caattcaggt aaaacaagga 120
 tagtttgatt aattatacaa aaaaaaatac aatatgatac acagttacat atcatgattt 180
 ccacgccgtt ggccaactat tctgcttggt tattcataaa aagtataata tcgaaatgat 240
 taagggggtt cttagactac ctcatacaaa accaatacga tcttgaaacc tatgattctc 300
 acaaacaata gataaacaga taataatgta tatctttctc catacgaaga tttctctcca 360

atgcatcttg attctcttga aagaggagag a

391

<210> 31976
<211> 388
<212> DNA
<213> Glycine max

<400> 31976

agcttggttac agaacttagg aaaaatcaag aacaagcttg ttgcacatc gttcgctgt 60
atgatattca ctgcacaagg tttgaagtag aggagacctt caatcctata acgcaacgtg 120
gcggaacaaa atgggcagtt aacttgaatg gccattactg tcaatgcgga aggtattctg 180
cgcttcacta tccatgttca cacattattg cagcttgagg ttacgtgagc atgaactact 240
accaatatat agatgttggt tacaccaatg agcacatctt accgcatact ccgccagtg 300
tggcctcttg ggaatgaagc ggcaattcct ccttctgatg aggcattggac actaatcct 360
gaccaacta caattcgtgc gaaaggtc 388

<210> 31977
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31977

tagctntatt ccttacaacc actaccatcc aaatgggtgg aaataagaaa tgttgggctt 60
acgtcctttc cacaattcat aagaattcct ttaagattg gcctaataata aattttattt 120
tgtaaataat agacaatggt tattgggttca gcccataagt gtttaagggt tgagtgatca 180
ctaagcatgg tcctagccat ttctgaaga aatatacttt tcatttacct ctaaacadat 240
tctaatttgg tgttcttggg gtggaaaatt gtggtcatac cattctcttc acgaatattt 300
caaaatatca ttttcaaatt ctcccccatg attacttcta attgaagaga tacatgataa 360
tgactattga attactcaa aacaaataaa actaggaaat tntgcaatac aggatta 417

<210> 31978
<211> 381
<212> DNA
<213> Glycine max

<400> 31978
 agcttggttac agaacttagg aaaaatcaag aacaagcttg ttcgcacatc gttcgcgtgt 60
 atgatattca ctogacaagg tttgaagtag aggagacctt caatcctata acgcaacgtg 120
 ggggacaaaa atgggcagtt aacttgaatg gccattactg tcaatgcgga aggtattctg 180
 cgcttacta tccatgttca cacattattg cagcttgtgg ttacgtgagc atgaactact 240
 accaatatat agatgttgtt tacaccaatg agcacatatt aacgcatact ccgccagtgg 300
 tggcctcttg ggaatgaagc ggcaattcct ccttctgatg aggcattggac actaatccct 360
 gaccaacta caattcgtgc g 381

<210> 31979
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 31979

tagctttatt ccttacaacc actaccatcc aaatgggtgg aaataagaaa tgttgggctt 60
 acgtcctttc cacaattcat aagaattcct ttttaagattg gctaatata aattttattt 120
 tgtaaataat agacaatggt tatttggttca gcccataagt gtttaagggt tgagtgatca 180
 ctaagcatgg tcctagccat ttctgaaga aatatacttt tcatttacct ctaaacadat 240
 tctaatttgg tgttcttggg gtggaaaatt gtggcaatac cattctcttc acaaatattt 300
 canaatatca ttttcaaatt ctcccccatg attacttcta attgaagaga tacatgataa 360
 tgactattga attactccaa aacaaataaa actaggaaat tttgcaatac a 411

<210> 31980
 <211> 204
 <212> DNA
 <213> Glycine max

<400> 31980
 agcttttata taacgctcag cagcagtcaa ctattgatgc tcttcgtgac ttgggtgatg 60
 aacttccatg acttccccac tgactgctgg tttcttgaca tacgtactcc gtgcaatata 120
 ttcatactct ctatgcactg attgccacga gaactgcctt tacactatgg aattttccgg 180
 gtgaagtctg gcaattcact atgc 204

<210> 31981
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 31981

tagcttgagt aaatattcag atcctgtccg accttcttta acatctctat ctttctcttc 60
 cttttctatg gttgtgtttt ttatctttca acttatctat ctcttttcta ttctatgcc 120
 tctcctctct ctggtcttct tgctggagag gcacgatggc aggagataat ccacacacct 180
 caagaaatag gtggaacct ggaaatgttg taactgttgc tacaacttaa cgagagagat 240
 ataatctaataacatgcaag tcttttttat cttgcgccgc ccaccaacgt cccatcgtag 300
 agaggaaatg atgtatgtca atctactact tgagtgcac atcagtccat cactacgcat 360
 tttccagact aaactatggt tttttaacat ataa 394

<210> 31982
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 31982

agcttctatc caaatggact taccttgaat taattccttt gatagcccct ttgagcctat 60
 gttccctttt ctttgttttg aagctcatta caagccttaa gtgaaaaacc atgatatcac 120
 cttaccctta aggaattttg gagctttgga attgttttgg gaataagttg ggaataagtg 180
 tgggggggta tgtttcattg gaagatataa tttttggcca tgcttaatgt tttatttttg 240
 ccatgcttga tgtatctgta tattgcctag ttcttcttta ttctgccatt catactgttc 300
 aaaaaaaaaa aaaaaagaag aagaaaagaa gtgaagttga ataaatgagg tcttgttatg 360
 aggacttgat ttgggagcct cga 383

<210> 31983
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 31983

tttcaacaag tgttgtccat actatttgaa tacaagctca agtttcaagg agaaaagtcc 60

aagggttgga gttgtatcat ggcccaaag gagggaggact aaatgacacc actttgtctc 120
aatttttagag tgtttaattt gtttaaataa tggcccaatc cttgtaaagt tggatgacca 180
aaaatatggt ttgggttaat caactaaaag ggcttttagtt tggtttagtt caagttgtaa 240
taagggtccca attgggcaacc taggcatcaa cctttccgag accaaatggt gctggcctga 300
tggttggttg ggggtgacttt tgggtgccac aatttcagtt acactcagcc attaatgtct 360
tttaattccc taggttagtg gcattaagtt cttttaattc caggtttagtg gatcattact 420

<210> 31984
<211> 388
<212> DNA
<213> Glycine max

<400> 31984

agcttttagga tcaaactttt ttttctctct ttttctctca attgttcttc attcttcttc 60
cttttttcac atttgttctt cctttttctt gcacaaattt tgtggctttt cactgggtga 120
tgatcatgga aggctaaata ctcaatcaat ccaagtaagg ctaaatcgga gttatggctt 180
agtattcata atatgtgtga atattcatct tttcttcaat cctatttttcg gttttcatga 240
ttatgaatat gcttgggatt gaaacaaaat taggttagcg attcctttcc tatttcaaac 300
ttaataacag attgtttgga tgatattcca acctaacttg tgatctcaat gaatctacgg 360
attaattcga ttgaactaac tcaaatga 388

<210> 31985
<211> 426
<212> DNA
<213> Glycine max

<400> 31985

taggaaaaga taagttgcat attgtaagat actggacatg tcatggcgtg agatcatatc 60
cttcgtccat ggaaaaagag agaataaaaa aagagtttga gttggtagcc atatttcaca 120
gctgggtgtaa accttttagt aaaagacaac acaaaaatag aaagaagaaa aaaaatatta 180
ccttattact ttgacacttt tttactttat tctcaaaact tagcaaaagc tttcactcac 240
atcacaatcc tattaccata gaggtcacc tggcaatggc tcaactttca ataattcatt 300
tccttgatcat tgatgtttct cattaaaacg agttaacaac acaagactcg agcaacatgc 360

tactttttct tcggtaaatg tgtgacatgg gcatagcata agattaattt aaagataata 420
cccaaa 426

<210> 31986
<211> 374
<212> DNA
<213> Glycine max

<400> 31986

tagcttcaac attcaatttt gagcgtctcg atatataacg agactcaatc agacatccga 60
gtaaaaagtt attgtcgttt taattggctc agagggttcaa cattaaattt cgagcgtctc 120
gctatattac gggactcaat cagacatccg agtaaaaagt tattgtcagg tgaattggct 180
cagagcttca acattcaatt ttgagcgtct cgatatatga cgagactcaa tcagacatcc 240
gagtaaaaag ttattgtccg tcgcattggc tcagagggtct accttcaatt tcagcgtctc 300
gatatgttac gagactcaat cagacatcct agtaagaagc tattgctcgt tgaatttgct 360
cagagattca acat 374

<210> 31987
<211> 127
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 31987

ntgagccaac actaacgacc ataactgttt actcggatat atgatggagt tccgtactat 60
atcgacacgc tagaaattga atgtagaacc tgtgcgcaa ttccaacgac catcacgtta 120
tacacgg 127

<210> 31988
<211> 381
<212> DNA
<213> Glycine max

<400> 31988

tagcttgtgt tttctcgtgc tatgcctaata atgtatatgt atgctgtttt gggttggttgc 60
agggtcggat cttgcttcgg tgccagacga gcaagttttg aacgggcatc aatctgaagc 120

ggatgagtgt gagaatcaag atgaagaggc tgatgcaatg gttgaagaac cccattctgg 180
tatttgaatt gagtgccttg aaaatcttgt gcttagagcg tgttttggtt ttattttcaa 240
aaactatttt tagttttcaa aatgtaatta aataacgact ctacactggt gtggagggtg 300
gtgcaaggca gagagtatag tgtggaattg atggagagct tgaagaagat gagacaacat 360
ctcctaacag ttttcgtttt t 381

<210> 31989
<211> 406
<212> DNA
<213> Glycine max
<400> 31989

tattaaaaat cacgtatttt tataagttgc atttcatatt aatgaacttt ttcaataata 60
tttgtaattt taattaattt taaagattgc attagaaaaa aagtgtttta gaaaaactat 120
tataccattt taattaatca tgactttggt gtaagatatt taatgatttt attgactact 180
aatttttgac gaatgatttg attgagtttt tcaaccagat cttttttttt tttcgatttt 240
gagatcttga ttcaggatta aatttaaccc tacttaaaact aattcgtaat aaaaataaaa 300
aatgagtagt tttttttttt tgttttaatt ctctttaga gaaaataaaa catgactatt 360
gaattgcttt aatacagtga taagaagtgc ctcaactata aatgga 406

<210> 31990
<211> 378
<212> DNA
<213> Glycine max
<400> 31990

agcttgagct cactgttgct gcccataaa gctccacgaa atttgtcacg gccatgctct 60
tccttgcaag ccctcttggt ttcttgttca agggtcttg cggtagctgc attttcttct 120
cgtaaccoga cacacttttt ccggacgtct gtagcgacca acttgaattt ttctttggca 180
agtcttgctt ttcttagttt tgtttttaga gctcggactt cttcatcctc ttccggagct 240
tcgaagcttt cttcgtcgat aatcttttagc ttgagagaca atctaccctc gtgtacaaac 300
tttcagccat tcatgataac caccgatgat gccattacga atgcccctaa gttctttatc 360
tttccttaac gggctttc 378

<210> 31991
<211> 406
<212> DNA
<213> Glycine max

<400> 31991

ttctaccttg tgcttgaggg ctacacattg ctcgatagag tgccccgtaa caccaccatg 60
atagaggcaa gttgcattgg gattgttcca tcggggaaaa gaaggttggg agaccttctt 120
cgggatcacc acaaccattt ggttggttag aaaagatggg agaaggtcag cataaggcat 180
cgggtatcggg gtgaacttcg taggttttct ttccgagaag ttcttccttg gggttgtatt 240
tgtgttgggg ttgggatttc tagttggcga cgctgtgcag gaacggattt tttggggagg 300
cctttgtggg tgagtgggca ttctttgttg gatgggtgcc ggactggaag gagatccgac 360
attggctgag tagttgtact gggccgcggg atattggtaa atgggg 406

<210> 31992
<211> 257
<212> DNA
<213> Glycine max

<400> 31992

tcgacctgtt gcttgttcat ttggagaaca tgcttcttgg aggacaacaa cgagggatag 60
actgagagag gcgggatcac gaaattgaac gaatataaga ggtatataag tggaactttg 120
aagtatgtct cacactactg tcattcatca gagttacaac aagtgtacg aatgcttcta 180
ttatagagta cgcaggcttg ctgagaagct atcttgagat aacttccttg agaagcgttt 240
ttgagaaaac ttccttg 257

<210> 31993
<211> 311
<212> DNA
<213> Glycine max

<400> 31993

gtgttgttca tactatttga ataccgttc ttgtcttttc gacaaatgtc caacgttgtg 60
acctgcatca tggcccaa at ggaggaggac taaatgacac cactttgtct caattttaga 120
gcgtttaatt tgcttaaata atggcccaac ccttgcaaag ttggatgacc aaaaatatgt 180

tatgggctaa tcaactcaaa gggcttttagt cgggtttact tcaagttgtc ataacgtccc 240
aattggcaac ctatgcatca accttttccc caccaaattg tggctgcttg atggatgttg 300
ggggtgactt t 311

<210> 31994
<211> 270
<212> DNA
<213> Glycine max

<400> 31994

agcttaatga tgtatgtcat acccctaata tttttctttt tacagccagt atcatgaatt 60
gaaaatgtat tttgtggaat gcaccagatt gataaaagct ccaccaaaat gcatagagcg 120
tatttagaat attttttatt tctatttata acatttagga aagaaaatac aatagtctcc 180
tcatcaagga gttacttaca acctacatta ttttaagatc aatctgactt gacttaacct 240
attcagtga gaattcatat tctattaata 270

<210> 31995
<211> 373
<212> DNA
<213> Glycine max

<400> 31995

tgactttaaa gaaaggagtg gaagcactat tagaaatata agttttctacg acacctattc 60
tacgatgggt ctgagtgaac cgccttagaa aatgagcctg tggcatagtt cgtattattg 120
taatgaaaaa atgcctttta caacacacat tctaagacga ttattgaaaa ccgcattata 180
acgttatggc taacaacatt taaaacatgt cctaatacaa atccatcgta attccgctga 240
aaaaaaatat aaccctagct agcctgttgg cgctcctccg ctcacctccc gctctagcac 300
tataacatga gattgatata gaggcaata cacttggcca attgcgtttt aaaaatttat 360
taccctgatt aca 373

<210> 31996
<211> 382
<212> DNA
<213> Glycine max

<400> 31996

agctttcacc tagccaagat tatacaaaaag tgttacaaga gaacttaacg gttttctaatt 60
 atatggggcca tcaaattctat catgtgttga cagtaattga ttagcccatg aatctccttg 120
 ggggctgtac acactttggc aatggctttc gctttggcta atagtcgcgg gagatcttga 180
 cttccattca aggtcaaggc gaacctatcc atccacatag tcgcttcttg atgcaatgcg 240
 tcaatcacc cccctcttgc ttctttttcg gctacactcg tgcaaatcct ccactagctt 300
 ttgttcacgg gtcacagact ggttcaactc ttccttgtat ggacctatga tagttagcat 360
 gctctgctcc gtgggttcca ag 382

<210> 31997
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 31997

tggaaggtag tcatacctca caaaatatat gtatgtgtgt ttacgccaga aaaatacctt 60
 ggatatgcat gtatgtaatc gacgtagcaa aaaaatacct cacaaaatat acatatgtat 120
 gtttaagtag caagacacct tggatatgca tgtatatagc aacaatatat atgtgtatgc 180
 ttaggtagca cgacaccttg gatatgcacg tatatagcaa aaatagctca cacaaatata 240
 cacatgtcga ggtagtaaaa cctcatgac ctaaccccc ataacacca aaaatta 297

<210> 31998
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 31998

agcttggaga agatgcttca atggaggaaa agaaagaggg agagaaagag agagggggga 60
 gcacgaaatt gaaggaataa aagaggtata gaagtggaac tttgaagtat gtctcacaag 120
 actctcattc atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtag 180
 cttccttgag aagctttctt gagaaaactt ccttgagaag cttctttgag aaaacttctt 240
 tgagaagcta gagcttagct acacacaccc ctctcataac taactcacct ccttgagaag 300
 cttccttaag aagattccta aagaagctag agcttagcta cacatacctc tctaatagct 360
 aagctcacct ccttgagatg 380

<210> 31999
<211> 404
<212> DNA
<213> Glycine max

<400> 31999

tgagatgagg aagtgttgaa gggtgaaact tcctgctttt attgttgacc acagagtggg 60
acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
tgatgtacct aagcaggcga gtccttgga gtcaacagat aaaaggaaaa caagaccaca 240
aagcaaggag gcttgtggtg cgtggccacc tgtgaatccg tgtaatatgt ggattgtggc 300
ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttacaaa tgaagacagg 360
aggctaagat ggtctctggt aatcgattac cacggcgtgt aatc 404

<210> 32000
<211> 380
<212> DNA
<213> Glycine max

<400> 32000

agcttggatt gcatcaagga aaggatacaa gcttgaaaac ttgaagaaag ttagagaaaa 60
tgacaaccag atgtgtcaca ccctgagggtg tgacaattca catgggtgta acaagcacca 120
aaaaacctaa attgacaaac aaaatgcacc atggctaagg tgtgtgaatt tccaccaccg 180
ggaaacgcat tagacgacaa catgcgtatg tataatgttt ttaggatatc ttaaattgta 240
gaaatcgaaa cgacacgaga caaatgtcta atttcaagaa taccgcgtcca caacttcgtg 300
aagatgagtt aagaatttca tgtcctaaca gtgattctgg tcacacaagt tacgcacatt 360
gtaataccct gtttcatggt 380

<210> 32001
<211> 272
<212> DNA
<213> Glycine max

<400> 32001

ctcaagcttg gcagctgata ttgcttttct gcaatcagcc gtcgacatgt ctttttaacc 60

cgagaccagc aactcaggct tgatgggtggc tgacccgccc atggaacgac tatgctggag 120
tctaactctg ggccttataa taagtggaaa aacgacattc tctgaagaat aaatgggtgc 180
ccctgacccc ggcgttgaag ccgatgcttc cacagcatta aactgctcgt ccatttcaaa 240
ggcggatgtc gtcgacgatg aattgaactt at 272

<210> 32002
<211> 389
<212> DNA
<213> Glycine max

<400> 32002

agcttgaaca cttctattta cgtaaagtga gcattcctta cttctcaogt tatatttcag 60
aagacctgtg ccgtaagtta tgcgattcca cagataaaac atcaatagtc atatttttaa 120
ttacagccac cctatcaata ttcattgagtc atcacatgaa ttattgagct agctagaaca 180
aattcctcaa aaaagaaatc tgctatcatt tgctttagaa tcacatttga tcaccacttg 240
ataatcattc cttaaaataa gaatattcaa catctgggtc cctcgcccat caaatatgcc 300
aactcaatc taaacacttc acgcctaaaa tacatacccc ctcataatcc catccatata 360
taaatgttaa ccatgctatg cctatgggg 389

<210> 32003
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32003

tggaagcctt tgaacaaatg agagaatggt ggagtttgat gttcgagatc ccttccaaag 60
ctgtcagcct acgaattgag tagaggatca gagatcgagg ttggttggat gtgctataaa 120
atgtgcccta acataaggac tgggtaaatg agtttaagag ttaatttaat atgcaagttt 180
gacaaccatg catatgtata tcattaagaa ttacatatta agtaattttc tagaaattta 240
ggtaaagaag atggtgcctt aatacaagac aagaacgcct tttagctca aaacatgaat 300
cagagcttaa accttgactt gtgaagtgca aaatctagtt ttgctctcct cgatcaactt 360
ttgagagtta tattaagtat ttgctagcat tattaattnt ttaactctat atttatgag 419

<210> 32004
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 32004

agcttattat ataaggtaag atttgatacc cacatagtta ctacactaca ctatcttttt 60
 gccagatgta ccttctagct gcttttattt ttaagggagt ctaataaagc ctaaaacatg 120
 ggactatgat atcaattatc cttatcaaat gtccatttgt gtcagccaca ttagtaagag 180
 tttgggtgca aacaacactg tatcctttcc gccatattat cctttattct tcttcagtgc 240
 tgactattgt ttgggggctt aaattgtgga gagcttcccc gctaaaactt ttaatgattt 300
 tttttttcct tctaaattgg ccaccaaga taatgaggta tctgttctgg ccaactgcttt 360
 ctacggataa atgatttgga acgtg 385

<210> 32005
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32005

tgagcataca tgaaaataaa taaataaata tgatagatga aagttaagac aggttgatga 60
 ggcaggagac aacaatgttt agaaagagat atgagaaaga cattgtgata ggtattaatt 120
 atcaatggga tctgcaaata agagaaggaa acagagagaa gggtgagagc acaaatgaaa 180
 tgagagcaaa tgctctacca agctagagag aggttctttg agctccaagt tctattgcaa 240
 atccatcata tcaccacaac ccaaacccca attccaacta atagaatcac tcctcatttc 300
 tctctcctct aactaacttc cactaccctt ccacaaaaca gacacaaagc atcaggcctt 360
 atgtgggttg ggccttcaag aatacatctt gaagggccta tcccactntg tgactaattt 420
 ccta 424

<210> 32006
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 32006

agcttgctat taaaaccaat cttgtgtatc tatcaaaact cgtttgaact ggagttgggtt 60
tctcctttta ctgagggttaa ctagaatacc atggtcgcgg gtgtgaaagg aaaagtgggtg 120
ctaaaaaata ttcattggga ttattattct ataaattaat aagactgtgt ttggcaatga 180
catgacttga tttattcaat ttatgattta taaatcagac aggaaaatgg agcaatgaat 240
tacttatcca gaatgttgaa gcacctcaag tacaatgtca tgcccagatt tacactaatg 300
tttaatcttg atatttaagt gtaatgggaa aatcacccat tttcactgaa ttatgttttag 360
ttctcatatt acaatgatta 380

<210> 32007
<211> 424
<212> DNA
<213> Glycine max
<400> 32007

tacatccgtg ggtgggaact gccaaatttg ctgtagaaca caatcaatca tatacgcttc 60
cttacaaaac aatctctctt gcaactcttc tcataagtaa ccaccttaa ataatgttcc 120
tagttttcta ttacaatcaa atctctgaca tatcttttca accttttata gaaattctaa 180
acatcttcca catatccacg agtacaataa gaaactatcc ataacaatat ttaatgaaat 240
ttcgctcagt taccatctct tcaactcttg cttctaaacg ctaacggatg aatcattgaa 300
gaggaaactat cagctaagtt agaattagaa ttctctgtat tctgccatt gcttttgggtt 360
tcatttttta caggcttcta aaccataggt ttgggcttgg gaattctatt aatactacca 420
acct 424

<210> 32008
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32008

agcttcggaa gaaagtgatg aggtacaagc cctaaaggca gagcttgaaa gagcctgtgt 60
agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggatgtcaat atggccaccg atgaagcctt ggaatgagaa accaagaagg cccgaaagga 180
agaacacgac caaagcaaag ttttgagggg ctttataggg aagcaatagt aagctcaagc 240

tccgaaaagg taaaaggaat catcacgggt caaaggccga tcttgaagga cagctaaagg 300
 cttaccttan gtcgaaaaga aatttgtccc aacagttaag cgagactgaa gggaatatgt 360
 gggccgtcat cgatgagtgc aaaaagaag 389

<210> 32009
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32009

tatgctgcac acatctacaa cagacctcct caacctcttc agcaaaaaca accacaacag 60
 aacaattatg acctctccag caacaggtac aatcccgggt ggaggaatca tcccaacctt 120
 agatggtcga atccttcacg acagtagcaa caacaacctt attttcaaaa tgttgctggc 180
 ccaagcagac catacgtnc cccaccaatc cagctgcaac aacagcaaca gcccagaaa 240
 cagcaaacag ttgaggcccc ttgcgaacct tcaactgaag aacttccagg caaatgacta 300
 tgcaaaacat gcagtttcaa caagagacca gagcctccat tcagagctta accaatcaga 360
 tgggacaatt ggctacacag ttacatcaac aacagtccta caattctgac aga 413

<210> 32010
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 32010

agcttagtgt tgcaataatt taatataatt tactttatct tacttagtat ttcttaacta 60
 aactaattaa tgtatcgaat catctaattt attaatgttt tttttttgta atatgtgaag 120
 tataaataaa acataacaga caaggaagaa cattttttcac gaaagaatga aaagaaacac 180
 ttatgtcatg ggatgatcaa cttaattacc ttaaattatg ttaatatctg aataacttac 240
 gaaaaattta tgaattatta taattttact acctcaaatt ttttttgtaa taaattta 300
 atgaatttaa tttgtctttc ttatcataag gttctgacat gtttggttga cttacagggt 360
 ctttcaacta aaggtgagtt t 381

<210> 32011

<211> 287
 <212> DNA
 <213> Glycine max

<400> 32011

ttagagctcg aatatgccct ataatgagtc tgattacaat tcgatgtgcg acagacttcg 60
 acgtagggat tgataatacc ctggagctgc ccatcttagt aggcttgaaa gagatcgctg 120
 ttagcacagc tgacgtgata gcgaatacgc tagcacggat cagacttgct atttgatgtg 180
 caagctgtat tgccaatggc tcctgaagcg gaatttaatc cttacgtata tgtcccgcca 240
 atcacaccgc catggtgcat tctctatata acttgactg atgctgc 287

<210> 32012
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 32012

agctttggag atccaaataa gttgaagaaa cgcttccatc ttgtatgtat ttttttcaac 60
 ttcagttatg cattttctcta tatagctagc catcatcagt atgtcatcac caaacttcgt 120
 gcctcaaccc cacacaccgc tctttctctt gcaccccgat gccgccacct gcctcccat 180
 cctggtgctc ctctcgatc atcgtagcca ctctccgtg gtccagtaga ctgcgacgca 240
 tgacttggag gagcgccatg ctgattggct tactcaaagc cgcggtatgc gtttaaata 300
 catggaacac cgcatttgtg gtggtctcag cagtgatgct cgcttgcacc 350

<210> 32013
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 32013

tgcttgtgga gcttctatgg aggctggatc tttgagcttt aatgaggtcc tttaatggtg 60
 attttccacc atggagatgc agcggaagac aaagaagaag aggtaagagg tggcgccatc 120
 cactacggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
 gcttggagag gatgcttcaa tggaggaaaa gaaagagggg gagaaagaga gaggggggag 240
 cacgaaattg aaggaagaaa aaggccacac gctgaacttt cgttgtgcct acaagactgt 300

tattgataga gtacaacaag tgtgcacatg cttctattta tagactacga gcttcttgaa 360
agcttcttgga aaacttcttg aaagcttttt g 391

<210> 32014
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32014

agcttataag ttagttgatt taatgaaagt ttttggtaac atgaagcata aaaatagtag 60
tcacacaagg ggtagcttac cctacgtagt agtaacagt gactaaaagt ccaaataatcg 120
aacccaaagg accagttgtg ttcccaaaca attatttctt gttaaactaag catgtatggt 180
taacttaaata gaaagataga tgtgggtcaat tgctcaatca tgtaaataag aattaacgat 240
tgagaacttg atgggaaaac agttataana agccctctac gattggactc cacactctct 300
ctaattttta ccaataactaa ctctaactaa tcccaaata atgccaatga ctaatatgcc 360
caaattcaat tattaatctt t 381

<210> 32015
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32015

cgcgccgcga acttggnngcg cgtgggagnc ncttgagnac catcggatat tcacgcgatg 60
ctatagaata ctgaagcttg tgcggccatg gaatattctg tatgggacgg agcctattat 120
cacacatggt gcatgagttc gcgtgctatg acatgggtaca gatcaccctt caggagtctt 180
gtgcttatatt gcagtatttt tgagctagcg taaaacctga agcgtatgta gcaggcttgg 240
atgatagatt tottaaccag tttaagcggc aacaatacag tatctatgac cgttgaagca 300
atatataccc tgtaagggtg ctgaattgtg tggattcaca tggactaaca cttcttgcta 360
ctatagtcag tagatttttt tataatgctg gtgggtacaag caaggatatg attctacttc 420
aatggagcaa cagcagcatg aatcacatct cagccgagtt gccactaatg atgctactga 480
cn 482

<210> 32016
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 32016

agcttcccag ttatggaaag ctaaatactc tgttggatct tccttctagg tacttgatgt 60
 aaatatcttt ttatctatct aatgatgttt tgtgtgttca ctatgctatc agaacttcat 120
 tctaccatga ctttaccttg atcatgtaga tgcagtgtgc cttaggatca ttcaacagtg 180
 gaaactagtt tgattcttat aacttgatac gacggggcta gtttggttga ttttcacgag 240
 gaatcggggg acggcaacct agttgttcct atccgtctta tgccgccatg gctgagttta 300
 gtccaacaag aggaatcggc ggacgatgct tgattatgat taggctacac tatcatgagg 360
 aatc 364

<210> 32017
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32017

tggcatcatg cgctgtatgg aagtatggaa aaatggcatc atcgtaacct tgatatacct 60
 aacaatgagg atatctcaat ccgctatgag tttgatgtaa atgtcagta acaaggctat 120
 cgtccattga tatacaggtc aatattctct ctctgttcat atatcgaaaa aggcaacaga 180
 gaagaatcga tttgaatttg tcattcaaata aactatcgta tattgataac aatggcgatc 240
 atcacatgag agtacctttn ttcccacttc accatggacc catctttaaa ctacttcatt 300
 gtggacgatt ggagacaatg ctatacaaac tggcaagttg taaggcattc tcctaactgt 360
 agttagactt 370

<210> 32018
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32018

agctttaagc tttagtcttc attttgttca tgttggtccc cctatctata acgcaatgca 60
tactgcaaca ctacacaccc actgcataaa gggatggcta aaaccaaggc agctattata 120
caaccatgac caagactaaa atataatgtc atctattaag tagtttgat cagttataac 180
attactcata cttgcatcat tcataatata agataatagc atcaatgtaa tcaacaagac 240
ataacaacgt cgtatccagc caaaagggtc atcagtgcac tcgcaaactt gccttgatcc 300
ttggccttac tttctcataa agaaacacca cgagattggt cttatactta cactntggct 360
tatctgagat taactgtgat aaagtggagt t 391

<210> 32019
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32019

tgaagganaa cttgatgcct tggtaacct agtaactcag cttgccatga atcagaaatc 60
tacacatggt gcaagagttt gtgttttatg ttcttctaca gatcaccata cagatctttg 120
tccttctttg cagcaatttg gagtcaatga gcaacctgaa gcttatgttg caaacattta 180
taatagactc cctcagcagc aaaaccagca acaacagaat aattatgacc tttcaagcaa 240
tacatacaat ccagggttga ggaatcatcc aaatcaagat ggacaagtcc tcacgacaac 300
aacagtctgt cccttctttn tagaatgctg ctgggtccaag caagccatat gttcctctc 360
caatgcagca acagcagcag cagtcacaac aaagccaaca agcaacta 408

<210> 32020
<211> 382
<212> DNA
<213> Glycine max
<400> 32020

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atcacgatta tcgtctccct ttccattatt gggggtacca cctgcgccgc cagatccctc 120
caccttttgg gcgtgttctt tgaatgatcc gtcccccttt ttgcacatgt tctgtagttg 180
catcctatcc ggaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattag 240
gtccttccaa gaatggactc gggaagggtc caagttcggc accacgtaaa cctaccccag 300

taagactttc ttggaaggaa tgtatcagca attcctcatc ttttgcgat tccccatct 360
tctgacaata catctttaga tg 382

<210> 32021
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32021

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gaaattgaag gaggaaaatg gggagagaag ttgaactttg agttgtgtct cataagactc 120
tcatccatca aagttacaac aaatgttaca catgcttcta tttgtagcct aggtagcttc 180
cttgagaaac ttccttgaga agctttcttg agaaactttc ttgagaagct tccttcagaa 240
gctagagctt aactacacac acccctctaa taactaactc acctgcttga gaagctcctt 300
gagaaacttt cttaaaaagc nttcttaaga agattcctag agaagctaga gcttagctac 360
acacacctct ctaataacta agctcacctt cttgagatga gaagctagag cttagctaca 420
cacc 424

<210> 32022
<211> 357
<212> DNA
<213> Glycine max

<400> 32022

agcttttcat cgtgcttggt gggattatg actctgtgtc gctgaacagc tgaaaaagca 60
tatgaaatac caatcatcaa atttcgtcag tgaaaaaaaa aaaatcaatt ctgaatgagc 120
gtgttggtgt tgtggatgcg atgagtgggtg aatgtaaact tcgcaaaact cactcacgtg 180
ggttttgtgg aggagagcc atcttcaagg gtgggttctt atcttctctg cgtttctgag 240
tggctgtaag gtaaatgcaa aactgcaaag aagacgtctg cttcacaaaa tggcaatttt 300
tcgaaatggc caccaattgc agatcacagt gtgcaaaaga caacattccc ttttctt 357

<210> 32023
<211> 418
<212> DNA

<213> Glycine max

<400> 32023

tgttacagaa cttaggaaaa atcaagaaca agcttggtcg cacatcggtc gcgtgtatga 60
tatccactcg acaagggttg aagtagagga gaccttcaat cctataacgc aacgtggcgg 120
acaaaaacgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
tcactatcca tgttcacaca ttattgcagc ttgtggttac gtgagcatga actactacca 240
atatatagat gttgtttaca ccaatgagca catcttacag catactccgc acagcgtggc 300
ctcttgggaa tgaagcggca attcctcctt ctgatgaggc atggacacta atccctgacc 360
caactacaat tcgtgcgaaa ggtcggccaa aatcaacaag gataaagaat gagatgga 418

<210> 32024

<211> 235

<212> DNA

<213> Glycine max

<400> 32024

agcttccatt gttcaatttc gagtgtctcg ctatattatg cgctgaatc ggacctccga 60
atgacaatgt atgaccatct gaacttctcg agagctacca tcgatcaatt tcgcgcgtct 120
agaaatatta tgcgcctgaa tcggacctcc gagtgaaaag atatgaccat gggaatctct 180
cgagagcttc cgatgttcaa tctogaacgg ctagatctat catgcgagag tatgc 235

<210> 32025

<211> 407

<212> DNA

<213> Glycine max

<400> 32025

ttaacctcat cgtctctcac agtctttaga tttgggagcc aatccaatcc ttgtgttcgg 60
actctcagcc acttatgata gcgctgatg atccattac tgcttcccct aagctctctg 120
tcctttcttc acgccgcac ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180
tcactgaaac cccgtgcgat gaaaggcgtg atgctttcgt ctaatggcgc tcctctcatg 240
gggtagccaa gctgtcttat ggcagaacgg gattataatc atacaacccc ttgttcccat 300
caagggaaca tttggacatc ctctgcgatg agatagaatc ttgattcttc ctttcttcta 360

gcgaggaac caattaacag acgcccccc atgctagcca agagttg

407

<210> 32026
<211> 388
<212> DNA
<213> Glycine max

<400> 32026

agcttgagaa acattggtta attgagttac ttcaacattt tcataagtca acataatgaa 60
acaaaaacct ctagcatatg ttcccttaat aatgtaaaca ttaaacaatca gacagagtac 120
ttgcctctag cacagtgtaa tgatggattt gtattttatat agttttataat aatcatatat 180
ttaagaataa ccgccattta tgaatacagg acaaccaaac aaacttaaaa taacaacgca 240
tgcacgcaaa cacatacatg gggcatgtcc tgcaaccttg attaacttga atattggcca 300
tccatagctt attcaatggt tggttagtgt tacgcttcat attcacatca caactaacia 360
caggaataaa gtcatatcca taccacia 388

<210> 32027
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32027

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ctcaaaagtc aagaacactt catgataaca aagatgatga tctaaagaat caaagaatga 120
gttcaagatt gaatcaagaa cacttcaagg ttcaaaagga aaattgattt caagaatcaa 180
gaatcaagtt tcaagattca agttccaaga atcaagatca agattcaaga ctaaagattc 240
aagaatcaag agaagactaa atcaagatcg tcttaciaag tttttcgaaa actgagtagc 300
acatgaattt ttctcaaaa ccttntacca aagatttttt actctctggt aatcgattac 360
cagattggtg taatcgatta ccagtagcac aatgggttcta tataaaagcc ttc 413

<210> 32028
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32028

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 tgggatgatg atctgctgat cacaggccta gtgcctgctc gtaccgctcc ctgagaattg 120
 gttaagtggg aaatgacatt atgctgtgaa acatggctac gctaccactt acctcggttc 180
 atccctgtct tggatctggc gccgtattga ccatcgcttg aaatgatctt gtncttgtct 240
 ttcgattcat aaaataaaaa tgcattgtgca tgtgtcccat gagcagctcc cagcaataa 300
 ttttttagca aaagcctgtt gggttcagtt ctaattaagc gctggctgca tccccatgga 360
 tcgagcaaaa aggctcggat catta 385

<210> 32029

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32029

agctttcatc tagccaagat tatacacagg tgttacaaga gaacctaacg gtttctaatt 60
 atatgggcca tcaaacttat catgtgttga cagtaattga ttagcccata aatctcctcg 120
 ggggttgtac acacttcggc catggctttt gctttggcta atagtcgagg gaggtcttga 180
 cttccattca aggtcaaggt gaacctatgc atccatatag tcgcttcttg atgcaatgca 240
 tcaatcacac tacctctngc ttgttttttg gctcactcg cgcaaactct ccactagctt 300
 ttgttcatgg gtcatagact gggtaactc ttcttgtac taccctatga tagctagcat 360
 gctttgctcc gtggc 375

<210> 32030

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32030

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 cgccatgttc ttagaacgtg caaaatcaca acgctcagaa tcacaatgct caaaatcatc 120
 atgctcaaga tcaggatgtt caaaatcacc aataacagaa tgcacatact caccagttat 180

ggaatgctca caatgatcat cacggatata acgatgccta cctaattctat gaaatgtcct 240
atct 244

<210> 32031
<211> 383
<212> DNA
<213> Glycine max

<400> 32031

agcttctaca tgtctagaga gttatagaga gagaaaggct caagttccag agagtttggg 60
agattttgtt gtgtgaagat ctgcagagac cagagcttga agaggaagtc gtcctgagag 120
cttgggatga gtttgtgagt gattgtgagg tcttagagggt ggaggagaca tccccactac 180
ttgtatttct gcaatctttc atcattctct tctctttgtt gtaaaggaag cttcccagtt 240
atggaaagct aaatcctctg ttgaatcttc cttcacgtac ttgatgaaat atctttttat 300
ctatctaattg atgttttgtg tgttctctgt gctatcagta tttcattcta gtatgctttt 360
accttgatca catagatgca cgc 383

<210> 32032
<211> 418
<212> DNA
<213> Glycine max

<400> 32032

tgtgcattca atatcctaatt caggcttttt catatgttct caagactgga ctaatacatt 60
tgctgcccac gtttcatggt cttgcagggt aagatcctca taagcatatt aacgagttcc 120
atattatttg ttccaccatg aagcccttga tgtgcaagaa gatcatatct ttctaaaggc 180
tattctcat tctttggagg gaggggcaaa agactggcta tactaccatg ctcccaggct 240
catttttcagc tacggtgacc ttaagagggt cgccttgagc aaattctcga gacaaatgac 300
catacagaat atgcaatttc agcaagagac aagagtctcc attcagagtc tgacaaatca 360
gatggggcag atggctactc agttgaacca agctcagtcc cataattctg acaaattg 418

<210> 32033
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32033

cacacctgtc ctccatatnc tctctntact atntcagcta tgtgacatat gttatccgtc 60
tccatatcta canntnatca ccgcgngaca ttgagtctgg ttgacgtcct acgctcactc 120
ataggagaat tcgagcgccg cagccgagga tcctctacag tctagcagca tgtctgcatg 180
tttagaacat aacgacatgc aagcatcggc aacaaatgga cttcaagaca gtgcatctga 240
ttatcacgcy cttcgctaag gccacactaa cgtgccaatc atcagaggct aaacatagga 300
aaaaggctat cgtgctaagg gtaactctat aggacctata ctcccttgcta tgcacggtg 360
tggttatcat gccttaacag accacactcc tgagcacacc cgattggacc aacaggacct 420
cctggatgga cgtactgacg aaagcccaa tcgactccat gaccggagtt ataaagtata 480
taatacctac actgaaggta tttaactcct aaatcctatg gctggcctgc aaataactccg 540
aattcacg 548

<210> 32034
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32034

cggagagaat gactcactgt tggaaaatta gagatttaga gagacggcgg accacaaaat 60
tgaatgagct aaagaaggag atcaggtgaa ctttcgaata tgcctcataa gactatcatt 120
caacaacgcc accacaagtg ttccacatgc ttatatttat atcctccgtg gatccctct 180
gataactatc ttgataaact accttgagaa tggtacttta gcagttaccg cgagaagaca 240
gagcttaact caaaacgcat ataacgccac cctcacttgt tcacaagctg acttgataat 300
ntaacttgag aagcttactt gacaagattg ctggagaagc tagagcttat cactcccacc 360
gatttaatac ttaagatcac ctccctgata cgataagcta gaggtctctc g 411

<210> 32035
<211> 379
<212> DNA
<213> Glycine max

<400> 32035

agcttgccac ccagctcgcc taggcgagct aggttgcttc ctctgaagc aaccgcctta 60
 tggaggaata ttttgaagg cccaagtggg cctaattgct atttgcaccc ccatttttac 120
 taaatacacc tcttgctctt ttttggatg tctttttccg taacgttatg aaactttacg 180
 aatttcgtaa cgatgcttgt tttctttccg taatgttacg aaaccttacg gattacgtaa 240
 tcataccttt ttttccttcc ggaacgttac caactttacg gatgcgcact aacacttctt 300
 ttttaatttcc ggcatatcac ggaacttcac gaattgtgct acaatgcttt cttttgactt 360
 ccggcatgtc acgaaactt 379

<210> 32036
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 32036

tgttgaaatt gccatgtttg gatgagttaa acatacccat tctgttttag ggtttttgtg 60
 atgatgtttg tgatgtttat atgctgaaat tgctgatgga agtctgttag agacgagggg 120
 agaactaacc taagggttaga aagtgagaat gtgatgttat gagtggaaaa agagtgagac 180
 tttgagagtt ggaaggctaa gtctgaatta tgtggtaaata ggagggttaa gtgagttaat 240
 actagcttga aatgtcattc cgacatgtga gaaagcgacg ctgagctaga gagaaaaaaa 300
 aatgaccaaa gtgaacaaag agccctttct agggcaagat tgggtgttga agagtcaaat 360
 tttgattcgg tgag 374

<210> 32037
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 32037

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 aaacttaaaa tgggacaatt acttaggcaa gtcaagtaac taatatttct taaacagtat 120
 tggacactca taacgtataa aattataatg tttacctgag aagtgtcttg aacagaggaa 180
 gtgcgacccc atctctcaga gtcccaaagg atggagctat taaaagcaaa acttgaaata 240
 tgaattgggg gagtgatagt atcagtttgc tgctcatatg tccagatgcc aaccaatgac 300

ttgtgatgaa tcacatacag gtccttcgat tctactttct ctctgagtgc agctaacaaa 360
gctgtcggcc atg 373

<210> 32038
<211> 425
<212> DNA
<213> Glycine max

<400> 32038

tattaggaac tataaaactc agcttcacaa atagctgata gaatcaattc acagctgaac 60
aactcaaacc aaggcctaac cgtgtttgca cccactgata atgcattctc aagcctcaaa 120
gcaggaacat taaactccat aaactcacia gaccaaagtc agctgataca attccacatt 180
ctccccactc tctacaccat ctcacagttc caaacgcaa gtaacccctt gcacacgcaa 240
gctggaaaca gtgatgatgg agagtatcct ttaaatgtga ccacctgacg cgaaccaagt 300
gaatgtcgaa ctgaggtggt tgatacaaca gtgtccaata ctatctacag tgatactcat 360
ctctcagtgt atcaagtgga taagggtgctt ctttctatga agcttttcgg cgcgacggga 420
ccggc 425

<210> 32039
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32039

agcttgatta ccaatatccc atttttccct gtagctcatc gcgcttaagc ataagcaact 60
cttcgcttaa gcactagtag ctcataagagc ttcaaaaaaa gagtttttta ctttcaatgg 120
cttcctaaatc aacccaaatg gaatctcaaa cctatcaaac atgtntatac atgtttaaag 180
aagcctacta tacaatgggt ttgttagatg atgataaata gtactttgat gccattgtag 240
agacaagtaa ttgggggttca aaatattatt tgctaaagtt gtttgcaact ctagtattct 300
ccaatcagtt atctaaacta gaatatgtgt ggaacaatat gtagcaatac ttgacagaca 360
agacaacttt tgcagtttcc aaat 384

<210> 32040
<211> 369

<212> DNA
<213> Glycine max

<400> 32040

cgcttgattt atgaagaaaa ttattgctgt tccgaagaaa tgaaagattt ttttcattta 60
atataatatt attgaaaaag aggatacaga gtataagggg tatacacctt tacaatctgg 120
tgattagttc ttctctgctg ccttttgcaa gagccaaaat aaattttatt ataatatgac 180
taaaaacaca agatgtgtta attaatcatc ttaccgtcca agtaaattac agccatattc 240
gtgcagcata acacaagtca cccccaccc tttcaaaaga ccagaacgga aaattctatc 300
cgtacattga tttagattat tctctttcag gttgtggtta tattaaaaaa gtattgtgct 360
gttatgtga 369

<210> 32041
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32041

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aaaggagaag ggaagggagg gagagggtcat gggttcgaat tccccaccta catctaacaa 120
actaacattc tcggataatt atgtttttcca gaaagagtta taagacaagg taaaattaag 180
ctttttccgt aagttaaaat taacttatgc ataatttaaa accagctttt ggagaaccta 240
aagtgagcga ttttctatag aagtatataa gttgatttaa gacttagttc attctacttt 300
catattttct tcttctataa gtgcttactg aaaaatttat cctaacactg cctacattac 360
attgtttacc ccaacgtttc ccggtcctat gccactntca cgagtcacaa taaactcagt 420
ataagctctn ttaaatggtt tcttagtgat at 452

<210> 32042
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32042

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tacaaaaatg ttttccccag aacaagtaca cgtaaattat aacaaatgaa caaacaacaaa 120
 agcatacttt cattttctcc tatcaaattt atcctgagaa aacaaacaaa agtgagtcac 180
 ttacagggaa caaattcttc cagaactgaa gatcagtcctt aggaggctca actatcttgg 240
 tggcccaaca gaacaacatt atgagagagc cacatgcaag ggagagagtt gaggtaagcc 300
 aagggtatgg gaatgcattc agcaccttct tgttataaat gttgaacacc acattcagtg 360
 cccaccatgt tgcanagtat atcccaatct tcaccttctt a 401

<210> 32043
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32043

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 tataatttct atcgcttaca cagatctgca cccttctaaa caaatcactg ggaagacgcg 120
 tgatagagaa acaattaagt acaagagtta gaaagaatga tatatacacg gngaacctag 180
 agtattcatc ggtcagaagt taaaaaaaaa ctaatttttc aaagtattaa tgcttggtta 240
 aataattaac ctcttttaat agacattttt tcatacatat aaattaaaaa attaaactct 300
 taatctcata tgattatctg ctaactatgc ctttcagtta tatatgatac cacataacan 360
 aaaaaataa tcataataag aaaaaaggct ttaataaccc catatataaa acccttggtg 420
 tttctagata tgggtggtgt tanttaaagt gttcataaga tatganatga gatcgaagga 480
 tagacnaagt acggtgttga atagtagtan aagaatattg aacctgttgt 530

<210> 32044
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 32044

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 gtgctcaa atagggggca atcttgattt gctttcttgc ttgattacgt tgaattaggg 120
 gccggcatga gatggcccta cgcctataat gcattttgaa acaatacgac atgccacatt 180

gtccccgttc tcttgcattt gatgcctaaa cgcgcgcccc ccaagtgttc tgtgaaatgc 240
 ctcaatggca ttagcctgtg acttttgtta ggagacaacc catgctgtat tatgctttgc 300
 gcatattttc tagtatggct tcattccccg caaaggctag agcaattgcc ccacatatat 360
 cctactccta gaaactgaca atctatgcac atagagcaca c 401

<210> 32045
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32045

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 aagattaatc ttattagtaa tatataacta ttattaattc aaaaaaaaaat tacacataaa 120
 gaaaatcaaa cttaaattgt ttgttaaata aataattctc ctacatatata atacaattta 180
 caccactata tcaatcctat aaactaattt tgaatttgaa tttgaattta cacaataaag 240
 tttgttcaat tggtgtaaga taatatctta ttatatTTTT ttagattagt ataaaattga 300
 ttaaataata tcctattata ttagtcataa taggacaatt cttaaattga ttaattagtt 360
 aatctgattt agaatagctc aattgcattc ggtgaaacat acttgtgatg cagaaagaac 420
 aggttcaagt ttcaagtatc taagacatgg ntgtatataa cctat 465

<210> 32046
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 32046

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 ttatggacaa acagaaatgc agcacaaagt aacaagggtc ctgtaacaag aatccatcca 120
 ataaccacca agctgcagcc acgataaaaa aaaaaaaaaa aaacagaaca tcttttactg 180
 atagaaactt aacgggagac aaatctatca gagtgaagga aatgaaatga attcaactta 240
 cgagtataca ggacccggca aagcaagtaa agaaaatact gcaaaaatta aatcaagttc 300
 atatgatttg gttaacattt agtatagagt aagaaaaaga aaaaagacaa aaccaaattc 360
 aaacatacac aatccgagaa atgcaacaaa gatcataaca gcagcaacag 410

<210> 32047
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32047

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gacggagttg gcggcggcgg cggcgggtgat ggatgggaca acgggtgacgg cggaggggtcg 120
gggttttggg attcgaataa tgggaatgat agcacggact tgtattaccg gacgatgatt 180
gaagcgaatc caggggaaccc tctgtttctt ggcaactacg cgaggtactt gaaagaggta 240
cgtgaattga agctatttag ttattacttt tagattaaag cgtgtagatg gatgaggtga 300
tagagttggt tatttgatgg caggttcgag gggactatgt gaaagcggag gagtattgtg 360
ggagagcgat tttggcgaat ccgaatgatg ggaaggtgct atcgatgtat gcagatttga 420
tatgggagag ccagaaagat gcttcgcgtg ctgagactta ttttgatcaa gcggnntanna 480
gcagctccga tgactggtaa ctaacatcaa actcttgggt gggtctcttt atg 533

<210> 32048
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32048

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agaagcatgt gtaacacttg ttgtaacttt gatgaatgag agtcttgtga gacccaacac 120
aaagtccaac ttctctccct ttttcttctt tcaatttcgt gctccccctt ctctctttct 180
ctccctcttt cttttctctc attgaagcat ccttccaagc ttcttatcca aggctcatct 240
tggtggtgaa gctccttctt ccatggctta ttccctagtg gatggcgcct cctctcacct 300
cttctccttt gtcttccgct gcctctccat ggtggaaaat caccattaaa ggaactcatt 360
gaagctcaca gatccagcct ccatagaagc cncacaagca agc 403

<210> 32049
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32049

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ctaaagtcc aagcactttc tccatcacc acagccacca ttagccacca caaaccatca 120
ttgtttctca ttgaaaaccc acaccgagag gaacccttca accaaagcgg aatcttccaa 180
cttggttgc ggtttcggta gagaacgaaa accctaattc gacctttcgt tttctttcaa 240
ggtaatcatg gttctatgct tggttcttct tagttccatc ttgtctttgc atcttttcta 300
actntggaac cgccattgca tgtcttatgc ttcctttgaa aaaccttaga gaaagagact 360
ntgtaaactg tctcttttca tgaaatgcat gttattttcg taacctacac tgaaccccg 420
tcacatt 427

<210> 32050
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32050

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attaattttt tttctttgcc ttctcttcca ttgttggttc ttaatttttc tccatgtatc 120
tcctcacatg tcttggttcta aatgttggtta acatgattct ttagagtttc caccgattaa 180
acttgctata gaagttagat ttgattttct atgggttcaaa tttcttggtc ttgttcttga 240
accatgaatt gtgttgagtt tacgttcctt tgagtgttct cttgttattt tttgtggctg 300
aaacctaacc cataaaattc ttacaaaaat attaaagtag aagacaacct cataaatcta 360
gagtgacttg ttcacctatt gtagttntgt catagaagtc atgt 404

<210> 32051
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32051

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 agccatcaag ggatggtcgt ttctccggga gcgacgcgtc cagctcaggg acgacgagta 120
 tactgatttc caggaggaaa tagggcgccg gcggtgggca cactgggtta ctcccatggc 180
 caagtttgat ccaaaaatag tccttgagtt ttacgccaat gcttggccaa cagaggaagg 240
 cgtgcgtgac atgagatcct gngttagggg tcagtggatc ccgttcgatg ccgacgctat 300
 cagccagctc ctgggatatc cgatgggtatt ggaagagggc caggaatgcg agtatggcca 360
 gaggaggaac cgggtctgatg gggttcgatga ggaggccatc gccagctgt tatgtatacc 420
 g 421

<210> 32052
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32052

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 gggatgcccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaactttatg 120
 caaaactggg catgcatgca cctatgcgga cactcaactg gtcatgcatg cacctatgcg 180
 gacactcaag tgtcaaattt ttatgggtcat gtgacgctag ggctcaggat tcatttcctc 240
 tatttttagt caaccaacg ttccaaaaat atgttctttt atcaatttgt gcattcatcc 300
 gagtccattt tgggtactcg ggaaaatttt cacagcattc acccttcagg tgtatacaca 360
 ttntttcaaa aactagttat gatcagtgaa 390

<210> 32053
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 32053

tctgagaaga ggcaaatttg attatgttgc tttgggtgaat aggaagcctt gggcaaattg 60
 agagaataag aaggagggag aaacctatgt tgtgagtgtc gttcctacat ggccaaattt 120
 tccactagct caaaaatatc aatactcagc taatatcagt ctttctcatt acccaccgcc 180
 ctaccagcca agaacaccca atcatccaca aaggccaccc ctaaatacag cacaaaaccc 240

acctgctaca catccgaggc caaacaccac ccttaatatg aacccaaaaca ccaaccaggg 300
acggaatddd ctagaaaaga agcctacaaa attcacccca attctggtgt cgtatgctaa 360
cttactccca tatctactca ataatgcaat ggtagccata atcccaacaa agatttctca 420
acctccattt ttctgaggat acaactcgaa tgcaacatgt gcttatcatg 470

<210> 32054
<211> 401
<212> DNA
<213> Glycine max

<400> 32054

ttgcttttga ttaaagtgat gacgtacaag ccgtaaaggc aaagcttgag agagcccggg 60
tagtcgaaga gaagttcaag tccatagcca tcaaagtttg aaaagagtat gatgaactaa 120
gggatgtcaa tatggccacc gatgaagcct tggaatgaga aaccaagaag gcccgaaagg 180
aagaacacga ccaaagccaa gttttgaggg gctttatagg gcagcaatag tgagctcaag 240
ctccgaagag gtgaaaggaa tcatcacggg tcaaaggcat gatcttgaag gacgagctaa 300
aggcttgccct tatgtcgaaa agaaatttgt cccaacagtt aagcgagact gaagggaata 360
tgtggggccgt catcgatgag tgcacagaga agctaaatct a 401

<210> 32055
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32055

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gttttgctca aagaaaagct tactaaggca cctgttctag ctcttctga cttttctaaa 120
acttttgagc tagaatgtga tgcctctaga gtgggagttg gagctgtatt gttacaaggt 180
gggcacccta ttgcttattt tagtgaaaaa cttcatagtg ccaccctcaa ctaccccacc 240
tatgataaag atcttttatgc cttaataaga gccctccaaa cttgggaaca ttaccttggt 300
tccaaggaat ttgtcattca tagtgatcat caatcactta agtacattag agggcanagc 360
aagttaaaca agaggcatgc aaaatgggta gagtacctac accaatctcc ataggttatc 420

acatacaaaa agggacaaca aatgtggtag ctgatgcgtc tct

463

<210> 32056
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32056

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ggcgagaatt cagaatttag ctgaaattat ttgagcacia gtttttgtgg cagatcaaaa 120
aaatattctg gtcaaacttt gggcttattg gggtcacata cacattatta ttgggcaaaa 180
atttaagaga tacctattgg actaaatata cgttattgtt caaggtaaatt tgagcgacct 240
aagaataaag taggaaaagt agagcgccac aatttgctgt tgctttcatt tagccaacac 300
aaattgtttt gattntttta atatttaatt ataacattnt aaataattcc ctcagaacat 360
atcaataatt tggaattttc aacagaatat agatt 395

<210> 32057
<211> 500
<212> DNA
<213> Glycine max

<400> 32057

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taggcaatca tgaaactcag ctccaaactc aaaagtggag gacacatgaa caaccctaag 120
caataacatt catgtgtctc cggaaaagga cgagaatgga ggattgcctt gagggtcctc 180
tcttaagcaa tcatggaata cagctccaaa ctcgaaaatg gaggacacgt gaatgacaat 240
gcaattcact cacgtggctc cagaaaagga tgagaatgga ggattgcctt gagggtcctc 300
tcttaagcaa tcatggaaca caactccaga ctcaaaagtg gagaacacat gaacagccct 360
aagcaataac attcatgtgg ctccagaaaa ggatgagaat ggaggattgc cttgagggtc 420
ctctcttaag caatcatgga acacagctcc agactcaaaa gtggagaaca catgaacagc 480
cctaagcaat aacattcatg 500

<210> 32058
<211> 400

<212> DNA
<213> Glycine max

<400> 32058

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tttgcttgct tatttagtag acccttgaag ataaaaccat tacattttgg ttcagaacag 60
catgtgcaaa aatgtaactg atgaataaaa cagagaatgt atgccaatga tataagcaat 120
agtttaaatg gtatttaatc tgatgtgaaa gccatacaaa caaaccttaa cagcaccatc 180
atagtctgtg gaggcaagat agttctggat gtagttattc caacaaacac aactgagcct 240
tgatctgttt gacatctcaa ctacaggata atggatgtca atggaatcat tgaaaagtgc 300
attgaactca aatattttta ttttctttga tatcccagca gcagcaaagt aatcttcac 360
cctatcaaaa ctacagagagc atattacatt tgcaggatta 400
```

<210> 32059
<211> 526
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32059

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ggcactatca cgacctgaaa gaaagaccct tcttcgatgg gctgtgtgat tntctaagct 60
ctggccctgt tattgcaatg gttagaaaat ataaatgact caaccactga cttaagaatc 120
caacaagcca gtgtccctaa tctgtctttt tttcttggtt ccaaaaattg atatcatatg 180
tgtgggaagg acaaggagtt atttcctatg gccgaaagct aattggagcc acagatccac 240
agaaatcaga acctgcaacc attanggggtg atcttgctgt tgctgttgga aggtaactaa 300
tagcatgttt ggttacaaga tgtgggtttt acgtgtactg agatgtttat agttataatt 360
ntcacatcca aaatgtaatt tcttacttct taacnntggt caaacatcng tataattggt 420
aaccanagaa aagtgttagt ttcgtttctc ttacataat gaattgtcca tttattgggtg 480
atcacaattt gataattggt gtcatgcatg cagaaacatc atccat 526
```

<210> 32060
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32060

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 ggtcagcaga ggagcacaaa ccacagaccc ttgcgacagg tacagatttc tagttcaagg 120
 ccagctgggt taccaagtta actaatgcat ctagtttgcc ttcaagcttc ttagtttcag 180
 atgatgcagc tgagtttgta gctacctcat gctactctct aatgattata acatcatttc 240
 tggcgctaaa ctgctgggag ttggaagcca tcttctcaat taaatgtcta gcttcaatac 300
 gagtcatgtc tccaagggct tcaccactgg cagcatctat catacttctc ttcattattac 360
 tgagtccttc ataanaatat tgg 383

<210> 32061
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32061

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 tttcacatcc atttggtgca actcaaggtc aaaataagca actaatgcca agataatacg 120
 aagagaatct ttcttagata caggagaaaa agtcattgtg taatcgattc cttctttttg 180
 agtaaatcct ttagcaacga gtcttgccct gtatctctca atgttgcccta atgaattggt 240
 tttggtctta aagaccatt tacaaccaat ggcctttgcc ctattaggca actctacaag 300
 gttccaaact ccattgctct gcatggaatt catctcatcc ttcattggaat cataccataa 360
 atttgactct ttacaactca tggcttaatc aaaatttttg agatcattnt caactccagt 420
 attatagtca aattcttaca aatatacaat antataacta ggaacnaact aatntcttac 480
 tctagtagat ctgcttaatg gtgtcatcac attntcttgt ggatcatggt gttagnagg 540
 gtgtgatcat ttc 553

<210> 32062
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32062

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attaattntt ttgctttacc ttctcttcca ttgttgtttc ttcatttttc tccatgtatc 120
 tcctcacatg tctagtgtta aatgttggtta acatgattct ttagaatttc caccaattaa 180
 aatagctata gaagctagat ttaattttct atgggtcaaa tttcttggtc atgttcttga 240
 accatgagtt gtgttgagtt taagttcctt tgagttttgt cttgctatct ttttgtggct 300
 gaaacctana acataaaatt cttacaaaaa tattaaagta gaagaaaacc tcacaaatct 360
 agagtgactt gttcacctgt tgtagttctg tcatagaagt catgtcta 408

<210> 32063
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 32063
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 atgaatgcaa tgaaaactat tttccccaag tcaaccaact tgttggttg gtttcacatt 120
 gataagaatg tgaaggcaaa atataaaacc tttgtgggta aaaaaaatgc atgggattat 180
 gtcattggaag catggaggag tctcgtggat tgccttctga gcaagggttc gatgagttaa 240
 gaagtttgaa attgcttgct caccatgggc aatatttggt gactatgtca aacaaacaaa 300
 gttgattccc tataaacaaa gatttgtaaa gcttggacga ataaggtgat gcatttatga 360
 aacacaacaa ctaac 375

<210> 32064
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 32064
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 tatcttttca ttctcttctc ctttttccaa aagaacgaag gactaatcgc ctgaattctt 120
 ttgtgtctct cttctccctt tgccaaaaat aattcgacaa ggactaaccg cctgaattct 180
 ttttgtgtct ctcttctccc ttttccaaaa gaacaaagga ctaaccgcct gaattctttt 240
 gtgtctctct tctccctttt caaagaattc gaaacaacac agtctgagaa ttcttttgat 300
 tcttcccttt ccttacaca aaatatttca atggactaac tgctgagat atcttttatt 360

tccccttcac aaagtttcaa aggactaacc gcctgagaac tttgtctta

409

<210> 32065

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32065

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tgaagttgat gagtacgctt cttggaattg ggatgaagaa aaagtggaga agaacgttct 120
tatacccgct caactacctc aagaaaaagc tgaggaagaa gaccaggtg aaccaccttc 180
acctccacca caacaacaag atcaagaact atcatcacca gagtctactc caagacgagt 240
aagatctttg gtggacatat atgaaacctg taacttggcc atacttaaac ctggaagctn 300
tgaagaagcg ttaaagcagg aagtatgggt caaggcaatg gaagaagaga tacagatgat 360
cgagaaaaac aacacatggg agttagtaaa tcgtcccat caaaaagata tcattggggg 420
taagtgggtc tataagacan agctcaacc tgatggcacc ataca 465

<210> 32066

<211> 397

<212> DNA

<213> Glycine max

<400> 32066

agctttcttt agatgctaga gggggctaag ctcacacccc tccaatagct aagctcacac 60
ccatgccaaa atacatgaaa ataattggga gcttccttga gaatcaagga acgtagcctt 120
cttggaagc aaggaataat gcttccttga aaagctagag gggagctact cacacccctt 180
caatatgaaa atacaaaaaa agtcctact acaaagacta ctcaaaatgc cttgaaatac 240
aaggctaaaa ccctactact agagtactct taacttgtac ccttaatttg tagggtagcc 300
tataaaccta aaattgccaa aatataaggc ccacaagaag gaaaacctat tctaataatc 360
acaaagaaca gtggacccaa ccttcgtcca tgggctc 397

<210> 32067

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32067

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cccactactt gtattttcttc aatccttcat ttttctcttc tctttgttgt aaaggaagct 120
tcccaaatat agagagctaa atcctctgtt ggttcttcct tgtagggtact tgatgtaaat 180
acttgtatat ctatttaatg atgttttatg tgttctttgt gctatcagta cgccatttca 240
ttgtgctttt gccttgatca tgtagatgca tgctttgtta ggatcattca acagtggaaa 300
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cgagggtacgg caaccttggt gttgtatggt tgcttaatgg ggtctgtcgt gttagtcaaa 420
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```

<210> 32068

<211> 402

<212> DNA

<213> Glycine max

<400> 32068

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gaatttatcg aagacctcaa cacagatcgt gatgattgggt ttctaaaagt gtgtatttgt 120
tgattgtgga atgtttatac aaaacaagtg agcaacataa tatgatttca aaattcaata 180
atattttaca aggagagaac atatacacta tacataattt aaaaattgtc tcagcaaattg 240
atgcatacaa acttgtcaaa ggaccattca aaggattatt tttacttact attgttgtca 300
agacaatcaa taacatatcc attagcattc ctctacacta ttctgagttt ggttcaatgg 360
aaactctagc tcacaggggtg gatgatagag ttgtcttaac at 402
```

<210> 32069

<211> 493

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32069

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gtccggcgat ggttcaaaac gattctccac atccacaaat caggtataac ccaccatccc 60
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 caacgccggg tccccatcaa tcttcccaag ctccacaaac atccaagtaa tttaacattc 180
 aatcatcaca aactaacaca gccaaagaaa caggggcaaag gcagaaaact ctgccgaaaa 240
 cacaaaccaa catcacagct ttgcacattc aattacccca gtaacattct cttcgttcca 300
 gtttgttaac cgttggatcg actcanaaat tntactggaa gtctctagta cataagtcta 360
 cattntgacc gttgggatct gctagaaaat gtccagaacc ctatatgtac taccatnttc 420
 acaaccagcc atacacanaa catttttctgc acttataata aattctgggtg cacattccaa 480
 cagcaaaaac aac 493

<210> 32070
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32070

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 attgcttttg aagcatgcct aactgtccac aatgcccaac acgagcacia gtgcagctca 120
 cacacatata cacacaaaca tattctttga taagtatagn ttatatgtgt tttaatattt 180
 gatacttatt tgaattatat cttattattt ttgtaaggct actgggggtac gctcaatagc 240
 ttttcatcct gatggaaggg ccctatttac tggacatgaa gatgggttga aggtaaaaaa 300
 agttacaatg ttagattata taaattatta atgcagcatc tagaactgat ttaagatgtc 360
 atttctatgt tctgatatgc tgtaggtgta ttcattggaa cctgtttatat 410

<210> 32071
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32071

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 acctactagt tatatatcag agcataaatg aggaaattct gacatgctag gatgtaatcg 120
 atggatgaac tgcttttgta taggatgggt caatggaaac atgcttacia tgaccttgga 180

tatgatatct tgtttgattg gtttctattc tcatgtattc tggtatatatt attatgcat 420
 ttgaacaatc taactatttc ttatttgcac ggtatgggtg aacaagtatg ctatttcgct 480
 atgtggattt atagctaac t 501

<210> 32074
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 32074

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 attcaaagat tggatctctt gttagtgttt attaatgaat agcttaaaca cttgtgcttg 120
 agtgaaacag tagtcgtgag actgtgggtt aagctgcttt ccttaatatc tgtcttatga 180
 ttaacttcat ctaatggtac aacttacatt ttattcttct ctatgcatag ctgcatattt 240
 tgtgaaaaac aagtgatgag tagatattgc ttcatttttc ttatcatgca atcaataatt 300
 tttgctgcat acacctttgt acatgatcac tgcattgtat tgtcacttga ggacaagtga 360
 gttgttctct ttttgcttga ggacaagcaa aactgt 396

<210> 32075
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32075

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 agaaggtttg ttctaatatt ctctacaatt gcctcacctc tcaatgagct ggtaaagaag 120
 catgtggcat ttacctgngg tgaaaaacaa gagcaatcct ttgctttgct caaagaaaag 180
 ctaactaagg cacctgttct agctcttctt gacttttcta aaacttttta gctagaatgt 240
 gatgcctcca gagtgggagt tggagctgtt ttgttacaag gtgggcactc tattgcttat 300
 tttagtgaat aacttcatgg tgccaccctt aactaccctt cctatgataa agagtntat 360
 gccttaataa gagcactctg aacttgggaa cattaccttg taccctanga gatattcatt 420
 catagtgatc atcaatcact taagttcat 449

<210> 32076
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 32076

ttgcttctcc cccattttct tataaatagg gggagaagtg aagaggaatt tcgttcagcc 60
 ctcttggttaa ttcagaatca cttaaaatta gtgaaaaaaa ttggttccgt gaagaaaatc 120
 caagccgagg cgcttccgta acgtttccgt gggtgatttc gcgaagggtt tcggccgttc 180
 ttcgacgttc ttcattcggt ctctgctggt cttcgggtct caaccggtaa gttccctaaa 240
 tcgaactttt caattcattc tatgtaccct tagtggctct ctttgctttt tacgtgcttt 300
 catttacatt tcctttactt ttcgtacccc cttttgacgt gctctagtca tttgcttaag 360
 ttattctctc gcctaataca aaaatacaat aaatttccac 400

<210> 32077
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32077

tgctctatct tcatctccca ctccaagtag gcctccggat cattctttcc tttaaagtga 60
 ggaatgttga gtttaatacc atcaattcgg ttttgtctag gaacaccatc attccctctt 120
 ctctctcttt cttcttcatt atgatctcta ttctccattt gatccaacct ctcatggagc 180
 gcatcatctc gttgtttcat taacctctcc aaatgttgca tcaaagcttg catttggaat 240
 tgcgaaagcc ccactccatc attaggatta gtacctgaca tctcaaaca acaaatcaaa 300
 cgtaacaaga caattatagt tgctgtttga atacctcacc cactcaagtg tatcacacaa 360
 ttatggctnt tctctaata aacactcttg ctttttacca ctctaattcc ccttgagttc 420
 ttaagcaatt caagagatta tggccacaac anagaacaat tcaccaatat gt 472

<210> 32078
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 32078

agctttgatg gtgttgagaa gaaatcacat gtttttcac atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaacaag gctcattttg 120
 cttcaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcacaat gaaagggttc aagtcattaa aggacatgt aatcgattac 240
 caatacatgt aatcgattac caatgggttg aaagtgtgta atcgattaca catcgatgt 300
 aatcgattac cagagactct gaacgttggg aattcaaatt ttaaataag ggtcacaact 360
 gtttaagaca aacaactgtg taatcgatta cactaattct g 401

<210> 32079
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32079

egggcccata atcttttagca attcttgctc ttttacctct ttgaggctct atatctggtt 60
 ctgattgtgc aagattttca ctactaatag caggaagata actgtggcgt ccctaaatta 120
 atgactgggtt tgatagtaat gatttaaata acaaaaacca tggtaaattt ttttttcttt 180
 ttctttttca tttctttctc tttccaccat aactagggtt agaaggaaaa tcctcactat 240
 agagtcctga atggccgggtt cacaactcta ttcggagtca tttctttctt accgttcata 300
 atctctaaac tattttgctg tttcaaaagg aagaatgtac cagccattac tttaggtcgt 360
 cacgtgaaaa taaaagaata aaatacgggtc gataaactct tttacaaata aatttgctaa 420
 tgctttcttt tcacataaca agattgatca taaatgcatt cgtcatttac agctgtccaa 480
 aatatgggag tttacanaat acatagtgtc at 512

<210> 32080
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 32080

ttgttttaaa atagacaatg ccacaaaaca caaattagag gcagagtacc ttccgcaacc 60
 acttcttaat ccgagtgtga tgtgcagagt cctcatttgg ctcccttttg ttattcttga 120

tgtcacatat gattccaagc atgaactcca tctacaagtt accaaggaat cagtgtgac 180
 ctgtgcgtag aaaaaatagt ttttttcccc cttttattat aaaacaaagc attctcactc 240
 ttttactatt tttcttttca ttgtcatctt cacaggaagc cttcaactta tttgatgtat 300
 tctgaacact aagaatgaaa tctttcatgg cagctggatc atcagccctt aatttcatcc 360
 cacaacctat tcagacacat aagataaaaa taagtcagag atgg 404

<210> 32081
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 32081

gaaaacactg acattttattg tgaaagcatg gaaagaagaa ttggtggcag tggcagaggt 60
 atagaaatcg gatcattact attagcgtat tgataaagaa atctttgaac aaatactcca 120
 tatgggaatc taacaaataa aaaaaaaaaa cagaaaaaga ggaggggtgaa tgttaccttg 180
 aagcaaccac tttatcaaag gcaactaatgt cagcaaacac ttctattata ataatcacac 240
 aaatacacia taggccagcc aacagaaaac atatttatag ggaagtgtta atgttggtgc 300
 gtgtttttatt ggtaaaactat atatatacga aagataacaa aattattcgg atccagaccc 360
 agtttttagg acctccaacg ggaacttaaa taggcacata tggttatgca aaaatactaa 420
 ataattaata attatc 436

<210> 32082
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32082

tagcttgaag tgaggaagtg tggaaggggtg agacttccta cttttattcg ttgaccacag 60
 agtgggtacct agagatatgt cgcaggggtc aggagacctt gnggacgtca ggtgggggtgc 120
 tattgccccaa aaccaagctt gaccaatccc gacccaaccc aggcatagtc agtcagttag 180
 aacctgtgat gtacctaaac aggcgagctc ctggcagtca accgataaaa gaacaaagac 240
 cacaaagcaa ggaggcttat gtgggtggctg gccagctgtg aatcttgagt gatatatggg 300
 atatggcctc tggtaatcga ttaccaaggg tgggtaatca attacaaggc ttacaagtga 360

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32085

ataagttata gtagtgattc ttacttgatg aaatgtgaga aacacttcta ggtgtgaatc 60
ccgtacattg tgccaaacat tgtaaatgaa ttgtgtactt ggtcatatgc ttcgcgggta 120
catgggagtt ggtgtgggat caattctttc aacgtgttgg gtcttataga tctacctaca 180
gtcggacata gaagtattga agtcctctgg atgaggttaa gaacaattgt cccaaactac 240
taactcaata tcgtcactta tctgagccat ataatggctt agaagaatga caagtgcctt 300
tntgttatat ttggtcttta gctaattcaa tgttcttgaa ttgtgcactt tcattaatat 360
agaatatcca tttttgtgga cntaatcatg acaccacta cgcattaaat ntgcaacata 420
tttgatgatt ccttcacttg tatatact .448

<210> 32086
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32086

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tagcatgcca ctgagtacag gttgattcct aagtctatct ttatcatttg ctattcacta 120
accacctttc actgtaacta taattattct tatgatgagt tgattgatac ataaactgaa 180
tgcatacttc ttgnngttgag atatgagtac tatatctctt ttcttaaaac actaggagtg 240
gtatgatgag tgattagatg gtcttttatgg aactgaacat gtcggacgac attgcacgcc 300
taatggaaat ctatgagatg catcttgaga atgtgggttg ttcttcctat caactctaca 360
tctatgtgtc tataataat 379

<210> 32087
<211> 291
<212> DNA
<213> Glycine max

<400> 32087

taccatcaat gagggcttgt ctacgaacac cagcagtccc tctggctctc catttttcat 60

cattatgatac tatgtttctcc atgtgatatac acctgtcatg gagcgcatac tcttgtggct 120
gcattagcct ctccatatga tgcatacacag cttgaattag gaattgacgac agctccactc 180
catcattaag agtgttctctg ccatctcaaa catacaagct gagcgtcgca ctgaagatca 240
tagctagtgg ggagaagacc tcaccactc aaatgtatca caccattatg g 291

<210> 32088
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32088

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gcataatcag acaacaaaca acaacaaaca tttgactta aatcaactaa cacaatatt 120
catagagtca tgagcataac caaatcaac ctaacatcaa cacacaaacc aactaacaca 180
attattaaac aagttacaga aaagaggaga aagacacaaa ccaactaaca caattattaa 240
acaagttaca aaaaagagga gaaaagggt agaatcctg ggttgtctcc cactaagcgt 300
ttctttaatg tcattagctt aacgggtcaa atgacttcaa gacggcatga aggtcacata 360
gaacacatat tccttacatt ntcacttctt agctagagac tccatg 406

<210> 32089
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32089

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ggaagcttgc ctcaaagagg tccaggaagg ataaggcggc cgaagggact agttccgctc 120
ctgagtatga cagtcaccgc tttaggagcg ctgtacacta gcagcgcttc gaggccatca 180
agggatggtc gtttctccgg gagcgacgag tccagctcag ggacgacgag tatactgatt 240
tctaggagga gatagggcgc cggcggtgga catcactggt taccncatg gccaaagtgc 300
atccagaaat agtccttgag ttttatgcca atgcttggcc aacagaggaa tgtgtgcgtg 360
acatgaggtc ctgggtaagg ggtcagtgga tctcgtttga tgccga 406

<210> 32090
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 32090

agcttgtttc tgtgtataat gacttcattt acatttatcc tatagaattt tttaaacttt 60
 agtagcacag gaattcaaat taaattgact gaaacaattc aagaaacctc cttaaaatat 120
 atgcattatg attcctgaac aagtaaacad tctttcctcc taggatagta ctattggagc 180
 aagaccaagg tgtaagtaaa aatgcttagc aaggtacatt acaattagca acgtttaaaa 240
 tcaagtaaaa taactcattc aatcaatatt ttcagcaacc aatgctaaag tttaaatatg 300
 gcaccacggt attagttagt ttattttgtt aaaatatcc tacaatatc atggatatgg 360
 gtttttttgt ctatatttcc tcttggtga ttcac 395

<210> 32091
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32091

gtattaatct tgaagcaatg cttaaccttt gaatgtttgt tgaagtaatc ttgaacgcaa 60
 ccttgtttga ttattctttg gcattcattaa aatcatgtat taatacattc acatttggtg 120
 tccgacaggt acttcactcg ggatgcaaca acacaaacta tcaactctaa gccaaacct 180
 gagtttgatc agaattgatg catgcttttt tttttttgct ttaaagacat gtatgaaaac 240
 tcacgtctct catccaaatc agagtatgac aaggaagaca cattcaatca tacgtgcatg 300
 gtaaaatctt gcgtctagta aagatctaaa attcaatgat taacatatct tcttcctgag 360
 gcaagaagga gatgacgagt ttataagag ccttattgat agcatccctc ttattccac 420

<210> 32092
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 32092

agcttttagtg cacacaagta catatcacag gtgaagcata aaattgctca tgaaagtggg 60
tgtttaaaag agcttctacc aggtttatct tatcatataa gcacttaagt agaaaattga 120
aggtattcag ttaagattat gaaagttatt tatgaccctc ctataagctt actgaatcac 180
acacttatga cataagcttt catctcattt tcatgcgata ggctttgctg aaataaacia 240
ttaaattggt tatccaaact tgcccatca aatgcacaaa actgatcttg aaatgcacag 300
tagagactca gagcaaacag aaagataagt aaccttctaa tacaatgttg acagtctgac 360
agcatgaaca ttgacatgt ttggcacctc gtggatatga aag 403

<210> 32093
<211> 534
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32093

tcgaggtagg tggcattctt cttagctttg cttttgttat gcactgtatg tgtagcattt 60
aaggtaggtt agttgaacct tatgatagat gaaccttagg gtagaggacg ccggaaaaaa 120
tggcggaagc ttggtgacgg tgagccttct ggaagaccg ttaggggttc ttccgaaact 180
tctggaagaa gatcttcaa acgatttccg gaagaagagt tcttccgaa gtaatgaaac 240
gacttccgga atgacaggtc ttccagaaag ttctcagaac acctcttccg gaatgttccc 300
ggaagatgta tttcttccg aaacattccg gaagaggatt ctttccgatg acctttcagt 360
ggttccgga gcactntccg ganaaccctt cttccggaat gtttccgga gaagtacttc 420
ttctgggaag tttttttct ttttaaatat tgtctttgt catcgcttta gcttattttt 480
tatatcattn tagttgacta tcntactaca ttattaattc taaatactta tgta 534

<210> 32094
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32094

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aagcttttcg tcttacagat agcaaaaagt ttatacggat aaccactcgg gtattttccc 120

ccgtcagcgt gactcaaaag tcagtatgac agatcttgtg agtgcggaag atgatgtaaa 180
tctccgcatg tcaacgggct tgtcggacgc gattgacgaa ggtcgcaaaa gacgacgtta 240
gtctctgcgt cttatcaggc ttttcgtctt acagacatca aaaagtttat acggataacc 300
actcgggtat ttccgcccgt cagcgtaact canaagtcag tatgacagat cttgtgagcg 360
cggaagatga cgtaaattctc cgcgtgtcaa c 391

<210> 32095
<211> 501
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32095

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gatgatttct ccagatttac ctgngtcaac tttatcagag agaaatcaca aacctttgaa 120
gtattcaagg agttgagtct aagacttcaa agagaaaagg actgtgtcat caagagaatc 180
aggagtgacc atggcagaga gtttgaaaac agcagggttca ctgaattctg cacatctgaa 240
ggcatcactc atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaagg 300
aaaaacagga ctttgcaaga ggctgctagg gtcattgctc atgccaaaga acttccttat 360
aatctctggg ctgaagccat gaacacagca tgctacatcc acaacagagt cacacttaga 420
agaggcactt caaccacact gtatgaaatc tggaagggan gaagccactg tcagcacttc 480
acatctttga agtcatgtac a 501

<210> 32096
<211> 488
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32096

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gatcctgcat gcacgcacgc ttgttttttg ttacgacccg cagaccgggc gggtagcatg 120
ggatgtcgag ccacatgcac aagcctatca cgccacatat tccaccattc cacttttgcc 180
acctaacatc aaatgtcgga cagtcagatt cttgaacgag acctacgtct tatcttcacc 240

aaaccctccc aactcatcta ctttaatacag tatatatgat gacactccta ttgaaatcgt 300
 cttacacatc tatgtcccat gaccattctg ctacgactgt cttgatgtca tgcattgttc 360
 gaccggattc tgagcatatg acggatcatct ttgaaatcag tgtgatgatc gcgcaacctc 420
 ctgcatgatc tcatctagat gatgctcatt cttctgacct atgtgcacat actatctctt 480
 cacacacg 488

<210> 32097
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 32097

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 ttaaagatta acacagctgg aaattgctgg agttcactta aaagatggca gaaaagttag 120
 cagcaataac atgtcactga acagtcggca atagttgtag attgccagaa gttgctggca 180
 agtcaccaa aaggcatcag aagttgctgg aaagttgctg aaaggttgcc tgaaaattca 240
 aagccaaagt gatacgttgt tggaaaagtt gcagatggtg ataacttgct agaaaagttt 300
 tacgggtgtg tggatcatgg caacggtaac ccacagggtg acagaatgca ctggaagaat 360
 aaaacaacgg aggagaatgg 380

<210> 32098
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 32098

agctttcaat ctggctcctg cttcaagctc tggctctctg aaatcttcac acagcaaaat 60
 ctctcaaaac tctctggaac ttggaccttt ctctctctag aaaccctaga catgcaaagc 120
 tctaaatccc agtccaaact ctcttcacaa aatctgattt caagcttaaa taggtggcct 180
 tgtttgtgct tatgcgctaa gcgcacttat ggaccgctta gcgcacatta gtgaatttcg 240
 gcttagcacg tgcctttctc gcttagcgga tgaactgaag cgggtgcaact agtgagatga 300
 agcgggtgtg tgtaagctcc attggagctt gtaggcctac gatcttcac aatggattcc 360
 tttgcttctt ggaagatgag tggcagcgga atgga 395

acgtcaaccc tccatgtcag ccttggaaca ggagcacaaa cgcacgccc ttagaaatta 180
 ggctactgga ctgacaagtt atctctaaac actttaatat ctgaatatta ataataatgt 240
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 taagtaacaa cttatctact agctattatc tacaagttag aaattatctg ttaagggtgt 360
 tataccactg taacagctca tacaataag gaccanaac tctcatctca ctctataaat 420
 atcaggttct atctcaccat ttctattcaa ttctaaacta actcacgtac ttacttgaac 480
 gtcagagtcc ctttgtttgc aagtctccct tcgtnngtct ctaat 525

<210> 32102
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 32102
 ttgcttatcc tatgcttctt tggcogtcgt tgcattagat atcttctcaa atgtatcttc 60
 atccaccgat tgataaatga gaaagagagc tttcttgtct ctctttcttg actccttcaa 120
 cgtctccttt acaccttgac ttagcgaggc ttcatcttgc tctcgaagc cattctctac 180
 gatatccac acatcttgag ctctagtag cgccttcac ttgttactcc aattatcata 240
 gttgttcttt gtgagcatcg gcatttggaaggaaacct ccattcgcca tcttttgagg 300
 atcttgaagc tctgatacca atttggttga aataaggctt tttatgttta ggaaaagtgt 360
 ttaagaatat tggagactct gaatagaaac ttgatag 397

<210> 32103
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32103

caattacaat gttttggtaa tcgattacca gtgtgcttga acgttgaaat tcaaattcaa 60
 atgtgaagag tcacattttt tcaaaaaaaaa gctttgtgta atcgattaca ctgatttggg 120
 aatcgattac caatgattgt ttctgaataa atcaaaagat gtaactcttc aaatgggttt 180
 tgactttttc aaattgggtt taagtttttc taaaagtcac aactcttcta aatgggttct 240
 ttgaccagac atgaagagtc tataaaagca agactntgtt ttgcattttc acaaaaaaaaa 300

aaaaaaatcc aatcattaat ctacacatct atctttttcca attcattctt tacacaagca 360
 attntttccac attgattttct aagtctcttt gaactttcttc ttcttctctt tgccaaaagt 420
 tttccaaagt tttctagttt tctaaacctt gaaaacttgn gttattcatc tttntcatct 480
 cttctccttt ntcaaaaaga attcgtcaag gacttaaccg actgaatatt tt 532

<210> 32104
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32104

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 caaaaagccc aaagaatgat ttcaagatta agtcaacaag ttcaagatca agtttaattt 120
 caagagaaga aatcaagaag attcaagaat caagagaagt ttgatttcaa gattcaagag 180
 aagatgaatt caaggttcaa gataagaaat caagaagact tcacaaggga agtattgaaa 240
 atattttttc aaaaaaaaaac aaacatagca cagttttgtt tttcaaaaga gtttttctca 300
 nattttctag gttgccaaag tttttactct ctggtaatcg attaccagtt tctgtgaatc 360
 gattaccagt ggcaaagttc aatttcaaaa gttntcaact gaatt 405

<210> 32105
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32105

cacattaggt ctttggttta tggtttttaatt tattagcttg acagttcatt gtgatgacaa 60
 gctgtattct gtgtgttttg tcttgtagt ctctgacagt ctttcattcg ccaagttggg 120
 aaacataaaa tgagtttgaa gagttgtgtc ttattttgtg ttcgtactgt gacatcctgg 180
 aaatttctac ccggaatttt tggaaacaat gtattttgaa tgattatata tatatatata 240
 tatatatata tatatatata tatataagta ttattcagtg tatatgcata tatgttcttg 300
 atagaagtag gaatagtgcg ggcaagatat gcgggttatg ctaattaacg aagagatctc 360
 cataactgtg aggcctatggg ttaattctta attaattagt ttagaaatca ttgggtgtgcg 420

tgtgacttac aatataacga gaccaacctc tgaaccacgc tgcgggttgt attctgaacg 480
ctntgatata tata 494

<210> 32106
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32106

tagcttggtt caaagaaaat ttgtcccaa ttttggggag taattatcaa ggtaaatttg 60
ttccaaattt ggggcagaca ttgngtaaga attgaaatgg tcaaagtaaa tggaataccc 120
acactaattn tgtatatatg cataatgttt ctatttattg tgtcaaaaaa aactgtaagt 180
acaaatgaaa ttaataagtg tgtatgttgt aattccatga atgaaagctg agtgcctaaa 240
taaaaggcaa gtatgggggtg ggaatgaatg aaaaagtga ggtttatcta tggatgaatg 300
ctctcctaga acctaagctt ttgaatccta gaacaacat gatttggttg cagcctaacc 360
ccattacaag cct 373

<210> 32107
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32107

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ccttacctca cacaagtcta taacatcaat ttaaacttgc tcaactggat ttacacctaa 120
aatttcaccg aattaaaatt tgactcctca acaccaatt ttatcctaga aatcgtcttt 180
tgttcacttt ggtcatttgt ttttctctct tgcacaaccc anactttctc ataagtcta 240
aatgacattt caaactagga ttaactcctt ttaacctcca aataccacta aatccagaat 300
tggccttcca aatctcaaag tctcactctt tcttactca caacaccata ttctcacctt 360
ctaaccctag ggtaactcta cccttcactc ctaaacagtt tccattagca atntcagcac 420
ataaacatca caagcatcat cat 443

<210> 32108
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 32108

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 ttgagcccat atcctcattg tgaaaacaat gagcttagcg agtattgact cgctgagcgc 120
 tttcaagaac ttccaattgg cctcttttct tctagatgct cgccacgtgt ccttccttgt 180
 tgtgtttctc gtgcttagcg cgtacaggca cgctgagcga gctactccaa cttcaaaatc 240
 ttcaattctt cttttcctac aataaaacat taaaagctaa taaaatttct tagaagttaa 300
 agacactaaa cttactccta attaatagtt atattagcat aaaagtgatt aaaacaaagt 360
 tctaagtaat gaaaaatgta agataaatgc taag 394

<210> 32109
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32109

caatttttca tgtacaattg tacatgaatt gttatgttat gctattcttc ttccgttggt 60
 agtgcatact attagtatgc tctttatctt tcattgtttg aggttctgat agagaattag 120
 ttataaggat agtttggtgg ttgaaggaaa aagaaaagaa gaagaggtcg tgggttcaaa 180
 atttaaattc ctctactaac aaaaactaac aaattattaa cttaaatttg tctttctggt 240
 ttaggaaatt ggctagttaa atgagttcaa tcaagacatt gagcatgcta aatcatcttt 300
 agctgaactg tttgttcaat taagatgatg agacatttag agtatcgggt tocatttcaa 360
 gcctctcana attttattct ttaaaaatac aagtaatggt gtacgttttt tgtcgccaag 420
 ctaactaaac ttattataga taattcacct tcaggtagta agcttatagt ggaaaattat 480
 gaatgcanac ttcataaaca ccatcattca ca 512

<210> 32110
 <211> 158
 <212> DNA
 <213> Glycine max

ccaccccccc ccccaactca cccccacccc ctcccccccc cccccccccc cccccccccc 240
ccccccccct cccccccccc ccccgcccc cccccccccc cccccccccc cccccccccc 300
cccccccccc cccgaccccc cccccccccc 330

<210> 32116
<211> 233
<212> DNA
<213> Glycine max

<400> 32116

tgcattagat ttttgctccc tcattgaaaa ttaagctaac tttggatgac taccaaaatt 60
ttttagacat taatgatttc ttaattatta tatataagaa caatttgcca tccaaaaact 120
aatatattgt ttaaaaataa tccaacgagg caacgataag aggctttgac caaaataaat 180
taacatgagg ctatggagga agcagcagag catattacgt taagactaac tta 233

<210> 32117
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32117

ccgccccgcg gcgcggnngg tgtacatgct actctaggcg agtcgagctc gtaccgcgga 60
tctctagagg cgaactgcgg catgccagcn ttgctcaaag ttggccagga aggaccaggg 120
aggccgagga acataagttc ggtccggagg atgagcagga acgggtttaag aaggctgggc 180
cccaccaacg ccttttagggc acccaggcgc cggctgcccc ccccgacccc acccctccaa 240
ctcaccccc cccccctacc cccccctcc ctcccccaact tccccccccc cctcctccct 300
ccctccccct atccctccct gccccctat cccctcccc tctcctcctc ccctcccccc 360
ctccccctc ccctcctccc cctccctccc ccacacctc ctcaaccccg cccgcccccc 420
ccctaccccc ccctccccct cgtccccact cctccgaccc cctctccctt cccccctccc 480
tctcctcgcc cgcgcgg 497

<210> 32118
<211> 148
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32118

agcatagcaa ctagtggaag ggaatgagag gtgtcgcaac ctacctttcg gcgggaggcc 60
gacgcgtgac tcgcgncatg cgtgttccac gaaaggaata cgcacggagt cgccaccaac 120
gttctattga ggaaaaccgc gcacaacc 148

<210> 32119
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32119

agtttcaaac caaatttcga gaagatccaa cggttaacga aggttgggca gcgcttttac 60
cgaaacagct catgtaactt ccttaagaag cttcattaag tggccttctc aagaagcttc 120
ctcgcgactt ctttgnacac ctttctcacg acgcttcttt gacaaccta 169

<210> 32120
<211> 370
<212> DNA
<213> Glycine max

<400> 32120
ggcatctaac aaatcttgaa gttgaacagc actttttaagt tttgtctgca cacaaaagat 60
cattaaatca agcaaaagag gtaaaaaaaaa aaaaaatcca gaagatcaaa taaaagtaga 120
caaatattac acaaacacta gaaaataata tcacctcagc tctaggtcgg cctccattgt 180
atttcaacat taggttttagc agcttttctc cagcaacttt tagcttcacc ttctgtttgg 240
gagctctatc accactgccg taacacgaga gtcaatggcc agaacaagat gcttaactaa 300
cttaagcgta aacggcgaca gaacatactg accaacaatca cgcactaccc ccgtacctct 360
cagattgtcc 370

<210> 32121
<211> 247
<212> DNA
<213> Glycine max

<400> 32121

tgctttctat atcatgtggc gaagaccgcc acaaagttag ttgtattaac cgaaatagca 60
 ttgtgacaac aacaaagggg attttccaag gcccgaattt tttctctcct ccgtgtacgc 120
 ccctacaccc ttttccatga ttcacatcatc cttcaaactc aatattgaac gggccatagt 180
 gccagcattt gcaccatata tttacaaaac atcttcatca atattaccac ctgttgcccc 240
 cgcaccg 247

<210> 32122
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 32122

tgacatccac tccacaaggt ttgaagcaga ggacaccttc aatcctatta acgcaacgtg 60
 gcggaacaaa gtgggcaaata taactttgaa tgcgcattat tgtcaatgcg gaaggtatta 120
 tgcgcttcac tatccatggt cacatattat tgcagcttgt ggctacgtga gcctgaacta 180
 ctaccaatat atagat 196

<210> 32123
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 32123

cactcctcct acccccggg cctcttcacc cccactgcc catccctcc cctccctcca 60
 cccgccttct tccccccct ccccgteccc cctcgcgcc ctccctcct cccctccgc 120
 cctccccccc ccccgccctc cccccccctc gcggtgcccg ggaccccccc cccctcccc 180
 ccccccccg caccctccctc tccgccttc ccccc 216

<210> 32124
 <211> 77
 <212> DNA
 <213> Glycine max

<400> 32124

tttctttgga ctttatgagt ggcaagttga ggtctaagt gattggctct ttcgctgcta 60
 ctaatgcctt tccttat 77

cccccgccc tcccccccc tctcactcc cgccaccccc ctccccctct tccaccccg 420
ccacccccctc cctccccccc ctgcaccccc ccc 453

<210> 32128
<211> 402
<212> DNA
<213> Glycine max

<400> 32128

agcttatata agtttacata ttcaaattta tgtgaaaata gaatttaatc ttatatatta 60
tattctacag ataatatata agagtataaa aatataataa attaaaaaag aataaaacttt 120
gaattttgaa ctatttttgc atacaattta tattaatact atattttgta ctaaatatcc 180
aaatgggtcac atgggttgaaa tgataaaaaga gtatgtcatt cactccaagg actgtgggttc 240
caatccttcc aagcattttt ttaaacttct tatttcttaa gacaatattg gtcaattctt 300
tagtgtaatc aatattttaa atttaacacg aaatgattaa tcaacagaat tctacaatta 360
tgtcttaatt taacatatcc attaaccaag atacaataat ga 402

<210> 32129
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32129

aataagtaac atatgtatgg gaaaacacat acaggaaatg gatatttctc accatacaaa 60
cgaaaaaaaa acataagtta ttgtccaaac ccataaatca caccaaacca acacaatcaa 120
agaaaaacac aaccaaataa aattaaaaca aataatgaaa aaaaaattaa ggaaaatgaa 180
gaagtgggta tggtgagaaa tgatagaaga ctgacacata tgtgtcctcg ccaattagct 240
ccaacttctc gaaacaaatg atgtttcttt aaccccacaa aggagactcg ttcacgttga 300
gttgcccagg ggttgccata gccattactc ctctcgcaa atcctagagg ctcttcttct 360
gcccttaana aacaccgaag ccgaagagta tcgaaagagg atcttttgca tcaagtgatc 420
gaaggagaaa ggcgttgagt taaaaacat gcatgtacac gttacaatgt ttcgaagata 480
cataacactt gatacgaang agactacatt aattgga 517

<210> 32130
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 32130

agctttattc tgctcgattg ctccagggtg ctgcatggaa gggcaaagggt ctgtatgggtg 60
 gtcaccagag gagcaçaaac cacaaaccct tgcaacagggt acagatttct gattcaaggc 120
 cagctggggtt acgaagttaa ccaatgcatc cagtttgctt tcaagcttct tagtctcaca 180
 tgatgcacct gagtttgtat ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggccctaaac tgctgacagt tgcaagccat cttctcaatc aaatttctgg cttcagcagg 300
 agtcatgtct ccaatggctc caccactggc agcatctatc atacttctct gcatattact 360
 gagtccttca taaaaatatt ggagaagaag ttgctctg 398

<210> 32131
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32131

aaatctgcac ctgtcgcaag actctatgggt ttatgctcct ctgacgacca ctatatagac 60
 ctttgccctt ctgtgcagca atcttgagca attgaacagc ctttaagctta tgttgcaaac 120
 atctacaata gacctcctca accttagcag caaaatcaac cacagcagaa caattatgac 180
 ctctccagca acagatacaa tcccggatgg aggaatcacc ctaatctcaa atgggtctagc 240
 cctcaacaac aacaacagca gctgctcct tcttccaaa atgctgctgg tccaagtaga 300
 ccatacattt ctctccagt gcaacaacaa caacaacatc aacagagaca acaatccact 360
 actganggcc ctctcaacc ttcatgggaa gaattagtga ggcacatgac aatatagaac 420
 at 422

<210> 32132
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 32132

agcttgacta ttctcgaccc accccgggca tagtcgggtca gtgagaacct gtgatgtacc 60
 taaacaggca agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaaggag 120
 gcttgtggtg gctggccagc tgtgaatfff gtgtgatatg tggattatgg cctctggtaa 180
 tcgattacca acggtgggta atcgattaca aggccttaaaa atgaagacag gaggctaaga 240
 tggctctctg taatcgatta ccaaggggtg taatcgatta ccaggcttga aaacgaagtc 300
 aggaaactaa ggaagcctct ggtaatcgat taccagcctg tgtaatcgat tacacagagg 360
 aatgggtcac tggtaatcga ttaccaggta tgtgtaatc 399

<210> 32133
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32133

cctctcataa ctaagctcac ctcccttgaga agcttcctta agaagattcc taaagaagct 60
 agagcttagc tacacgtacc tctctaatag ctaagctcac ctcccttgaga tgagaagcta 120
 gaacttagct acacaccccc tataatagct aagctcacc ccatgacaaa aaaacatgaa 180
 aatacaaaaa aaagtcctta ctacaaagac tactcaaaat gccccgaaat acaaggctaa 240
 aaccctatac tactagatgg ccaaaatata aggcccaaac gaaggaaaaa cctattctaa 300
 tatttataaa gataagcggg cttataacttg gcccatgggc tcgaaatcta ccctaaggct 360
 catgagaacc ctagggcctt cccttggatc tctagcccaa tctacttggga gtctttctacc 420
 caatgcctt gcgggatagg attgcatcat aacgtatcta ccatanatgc gatcatcntc 480
 cttttcatca tgggcggtac gacttgggct gcgagaatct ctcatcttnt tgcataattcc 540
 t 541

<210> 32134
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32134

agcttatttt atcatgacaa tttgtgtttg catgatagtg taaaaaccct atatacaatc 60

tgtgattttt attanttgtg tggtaacaca tacaattaat aaaaaccaca cacaattgat 240
tgaattcttg gtcgtcatac ttgggataac taaaataata tggttgtttt tcatgcaaaa 300
taatttttat gctaaatttt agttggatgt gcctttgtag gcgatggctc taaagctctt 360
tgctataagg gctaagaacg ccaccacagg ggagggatct aatg 404

<210> 32137
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32137

ctgagagaat ttgctgtgtg aagatctgca gagaccacag cttgaagagg aagccgtcct 60
gagagcttga gatgagtttg tgagtgatta tgaggtccta gaggtggagg agacatcccc 120
actacttgta tttctgcaat ctttcatctt tctcttctct ttgttgtaaa ggaagctaag 180
ctttccagtt atggaaagct aaatcctctg ttggatcttc cttgtaggta cttgatgtaa 240
atatcttttt tatctattta atgatgtttt gtgtgttcac tgtgctatca gaacttcatt 300
ctaccatgca ttgccttgat catgtagatg catgtgtttt taggatcatt caacagtgga 360
aactggtctg attcttaciaa cttgatagga tagggctagt ntgtcatat 409

<210> 32138
<211> 197
<212> DNA
<213> Glycine max

<400> 32138

aaatgaggta ctgaaacagc aatttccata tcataagtt ctttcattat acatgcactg 60
cgaacttaaa aaacaacggt gaattaacta tcatatctgc gccaaacttc tgtcttgatt 120
ctccgatcta aaaaatctat attagcaatt tctctaatat tctaacattt attgctggat 180
tattgaggcg taaaact 197

<210> 32139
<211> 113
<212> DNA
<213> Glycine max

<210> 32142
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 32142

ttctttatata tattttttact acggaagaag tgcaataaaa gggaaaacaa gtatcccctt 60
 gccgagtgaa gtatattggc atcgactcct ttcacggatg cactcgggaag aaatgaccat 120
 taaaatcctt ataagaggta ctataagggc caataacgac tctcctgaaa ataccagtaa 180
 gagaaatcca accacccttg ttattttctt taacatttta gtggtggagg aataaatgag 240
 caagagttat gaaataactca tcacacgaaa ccctaaaggc acagatgcc actcaggcat 300
 tcaaagtcaa ctcggtgagg gtgacattca gctctcgacc aacgtccacc cgaaactttt 360
 caaaagggac aataaggtga aaagtacaaa 390

<210> 32143
 <211> 472
 <212> DNA
 <213> Glycine max

<400> 32143

gggaatcttg gaacccaaac cattcttggg aagggttcaa gattgcaatc tcccaaaggt 60
 ttcaagcgtc taacctaggg aatcctttca ggcattgctg gcactggaac aagaagaaac 120
 agtgcaagaa ttcataggcc aattcgagaa gcacatcgga atggtgaagg gattggagga 180
 accatcttttg gtggagttgt ttctcaaggg gctaaaagaa gagatcaaca ctgacgtaag 240
 gctccatgaa ccaaaaaact tgatggaatc tatggtcaag gtttgtaggg tggaagataa 300
 gaatcgaatc ttacgaaagt taccagagt aattgtaagg cgtataattt tcagaaacct 360
 agttattcgg gtgagagatt ggaagggatt gcaaccagcc atagtaagga gctgacctat 420
 aattcggtaa acaagatcca ggatggaagg agaagacctt cataattgca cc 472

<210> 32144
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 32144

tagctttact ttagattcta gcaatgaccc actaacctag aattaaaata acttaatgcc 60
attaacctaa ggaattaaaa caaactaaat ggctgagtg aactgaaatt gttggcaacc 120
aaaagtcacc cccaacagcc aacaagtcag ccaccatttg gtctcccaa aggctgatgc 180
ctaggttgcc aattggggccc ttattacaac ttgaactaaa gcccttttag ttgattaacc 240
caaaacatat ttttagtcag ccaactttac aaggattggg ccattattta cacaaactaa 300
aactctaaa attgaaataa agtgggtgtca tttagtcctc catttggggc atgatacaac 360
tcacaacctt ggacttttct tcttgaaact t 391

<210> 32145
<211> 326
<212> DNA
<213> Glycine max
<400> 32145

cgagagctac cattgttcat tttcaagggt ctctatttat aatgcccctg agtctgacct 60
ccgcgggaaa aggtgtgacc attggacttt ctagagagct acgttggtta attttcaagc 120
gtcgctatat ataatgcccc tgagtctgac ctccgaggta aaaggatga ccattggaat 180
tgctcaagag ctaccgtggt tcattttcaa gcatcgctat atataatgcg cttgagtctg 240
acttccgagt gaaagggttat aaccatgcga attgctcaag agctcgcttt gtacagttcc 300
gagcgtgttg ttatattatg cgctcg 326

<210> 32146
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32146

ttgtttatct tttcettcaa catacattgt tgtaacttta ttgggtgtat aaggaagtgt 60
caacatgaga aaatgggtcat atttgcttag ccaatcaacc accaccatga tagcattttt 120
cccttgatgat gttggcaacc ctcactaaa gtcaatggta acatcctccc acccttgatc 180
tggaattgca agaggttgta tcaaaccaac tggttcttgg gtttcatatt tatttactta 240
ngaaggcaat tgaatgttta tcttgngaga gcaccgcacc tatcacaata tcacttgcac 300
ctgtttttac agtgaatggg caagaaaatt tgacatgaca aatgttggtg tagacatcat 360

agttgtcttt aactcttcaa aagccttgga agatgactct atccaag 407

<210> 32147
 <211> 399
 <212> DNA
 <213> Glycine max
 <400> 32147

ctttccattc accacataca cactcccaat ttgactttta aagagaataa caagactata 60
 tttatactgt cagcttcata cagaataaat atgaacataa atctgttaga tagaaataaa 120
 tgtgaaatat atatcttttt ttaaaaaaag aactaaccat cgcaatagtg tcttctacat 180
 catccttggt tctgcctgcc agacgccttt ttaaggattc aagtgcactc ctaagcttct 240
 tcaaaagaac atgtttttcc aatgatgctg cctctctaag tctagcctaa acttcaccag 300
 catacaaaaa gctagttaaa acaggaacat caatctatta gttaaactatg aatataatca 360
 ttgggttattt cagttgcaaa ccatttacia taagaatct 399

<210> 32148
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 32148

agcttgaaat atgtgttcca ttaaaaaaga aaaaagtttg taatatgtga ttcttttgtt 60
 atggtaatta ataataagta tagaataatt ttacattttg tttactttat aattgatatg 120
 catattatta atatgttaaa aaaatagtat taaatatcaa gtgatccata aattattatg 180
 atgttacaaa aggattagta atatcatttt ataataatat taaataaaaag taaaataata 240
 ttttaattaa aatatcttac aaattagtaa aaataaaaatt attttaaaaa taatatagca 300
 ttattatgta aatttaattg ataaatttta aattatcata atagattaga ctaacagaaa 360
 aaactgtcaa acaaaacaaa acgaaacagt acaaatta 398

<210> 32149
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 32149

aaacatggta ccagcttgag agttaatcaa aaaattaatg atgcatcttt gtttccgata 60

agtccatgca tcggacataa tagtacaacc atacttgacc cattgctccc tatggccttt 120

catcaaattt tcagtatatatt caacttcctt cttcaagagt ggaactctga tgtcatgata 180

gctaggaatg ggcaaatgtg gcccatattg accaatggct gcaaccatgt tctcaaagct 240

tttcaattta atgagggttg atgacaaaacc tgcttggtac caaaagcgag caatatgttg 300

atgcaccttc aatacttcat tcttatccat tgactctctt atgttcattt gcctcagcat 360

ctccattttt ctccgatnga ttgcattntc tggattctta cagaatntgt ccattgggtcc 420

tttttttagtc ccacactttg tctttgcact tgcagcagca ttacaagagt ccgcanactc 480

atctttcttca cttccatcac a 501

<210> 32150

<211> 397

<212> DNA

<213> Glycine max

<400> 32150

agcttggaag gtagtcatac ctcacaaaat gtatatatat gtgtatgttt aggtagaaaag 60

ataccttgga tatgcatgta tntagcaaaa aaatacttca caaaatatat atatatgtat 120

gtttaggtag aaagatacct tgaatatgca tgtatgtagc aaaaataactt cacaaaatat 180

atatatgtat gattaggtag caagatacct tggatatgca tgtatatagc aaaaatatct 240

caaaaaacat atatatgtat gtttagatat gcatatatat ataataaagg ttgtctagct 300

aaaaaaacaa catgcttttg aaaagagatg acttccaact cttctttgaa aaaatttgct 360

gatcataact agttcttgaa agaatgtgta tacacct 397

<210> 32151

<211> 526

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32151

ttccgctccg gagtatgata gtcaccgctt taggagtgtc gtacaccagc agcgcttcga 60

ggccatcaag ggatggctgt ttctccggga gcgacgcgtc cagctcaggg acgacgagta 120

tactgatttc caggaggaaa tagggcgccg gcggtgggca tcaactggta ctcccatggc 180
 caagtttgat ccagaaatag tccttgagtt ttatgccaat gcttggccaa cagaggaggg 240
 cgtgcgtgac atgagatcct gngtaagggg tcagtggatc ccgtttgatg ccgacgctat 300
 cggccaactc ctaggatatc cgttggtggt ggaagagggc caggaatgtg agtatggcca 360
 gaggaggaac cggctctgacg ggttcgatga ggaggccatc gcccagctgc tatgtatacc 420
 gggacaggat tntgcccga ctgctgcang gaggcgagtg cgaatcatgc gcaccaacat 480
 gaccacnctg acccagatat ggatgaaggg tgctctcagc aacatc 526

<210> 32152
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32152

agctttcttat ccaatgctca tcttggtggt gaagctcctt cttccatggt ttattcccta 60
 gtggatggcg cctcctctca aagagcttaa gggaagtagt aatgggatca tcggcggcta 120
 tcgtaaagtg gctaagagtc cgcacacaag gcttggactg gctcccaaag ccaagggcta 180
 tgagagagga agaggccgaa gctccagaaa agagtgagga ggtacaagcc ttanaggcag 240
 agcttgagaa ggcttaagca gtcaaggaga agttcaagtc aacaaccatc aaagtccaaa 300
 aggagtatga tgaactgaag gacattaaca tggccaccac cgaagccttg gaacaggaaa 360
 ccaagagggc ccggaaggaa gaacatggcc aaaacaagtt ccgagga 407

<210> 32153
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32153

tgtgttttgt atattttctat tctcgtttca tttacttttt atacccctc ttgacgtgct 60
 taagccatth tacttaagtc atttctcgct taacctaaaa ataaaataaa tttctaccga 120
 tcgtttgaat tgtattatcc gttaacttcg gttaaaatga attccaaccg ttcggtcgtg 180
 ccataaccac gttggaaatc aaaaaagagg taaataataa tataataatc aaaataacat 240

gtanattacg aaagaaggag ggtgaactta tcanaatagg ggggtgcaa at agcaat 416

<210> 32156
<211> 405
<212> DNA
<213> Glycine max

<400> 32156

agctttgttt attggtcttc accgcgaaag gatcgaattg ggtctgaaaa gaggaaaatt 60
taa atcatcc tgcttggacg aatgagaaaa ctggggcaaa tgaaaagggt gagaatgaaa 120
gagaaacca tgttgogaat gtcattccta catggccaaa cttcccacca gcccaacaat 180
gtcattactc aaccaatata agctcttctc attaccaccc acccagtcac ccacaaaggc 240
cattcctaaa tcaattacaa cgctgtcta ccgcacgccc aatgccccaa caccaccttt 300
agcga aacc aaaaagg aat tttgcagcac aaagcctgta ggattcaccc cacattccgg 360
tgtcatatgc taaccttgct ccatatctac tcgataatgc aatgg 405

<210> 32157
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32157

caccaaccaa gaaatgaatt ttgcagcgaa aagcctgtag gattcacccc aaattccggc 60
gtcatatgct aacttgctcc catatctact tgataatgca atggtagcca taaccctgc 120
taggttcctt caaaccacca tttttctgag gatatgactc gaacgcaaca tgtgcatatc 180
gtggagggcc ctgcggcatt ccattgagca ctgtatgacc ctcaagcgta aggtgtaagg 240
tctaattgat gcgggctggc tgaaatttga ggagaatcgc gtgtaaatcc tgacattgac 300
aagagatgcc acacatgggg caattntgaa agctgttggt agatgtctct aatgactcat 360
caggattttc aggtgcgagc cattggtttg tttgctcgag cgacatgcgc tcctgagtgc 420
tgacttccaa gaccgttcaa tcagagatta ctgcgc 456

<210> 32158
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32158

agcttggtatt taaatggacc aaaaccttat gatcagttct tganagtctg attagtctgt 60
gtagtctgt tactagcagt caagttaatt agaaaataac tgacaggcaa ctgtgttagt 120
ctgttacaag cagtcaaact caacaactaa gacatcttca cccatcttct gatcagtttt 180
tgacatacct taatgttaag tctgattaca tattattaat aatattcatt tttgcattta 240
aagaaaacaa atcaacaccc gtttttgacc aaaacctttc accaccatag caatgaaaaa 300
agtatactaa aatttagtgc cactagcaaa gtaaaggagg gtacgttgaa naggtacaac 360
aaaattacaa atttacaatg aagtaagtaa tttatcctct 400

<210> 32159
<211> 443
<212> DNA
<213> Glycine max

<400> 32159
acaacagatc ttaattagga ccatttcgat gaaattgact cattacaact atgacttta 60
caatgatgat tataaaagggt gcatgcatgt tatgttgcat gtgaatctag tttaagacca 120
tgcaataatg caaacaagta tacatttcaa ctaaaatgct accatgaaat gtttataagc 180
caattaagaa aatgcaagct caccaattgc atcaacagtg gtttttccat tggaaaacct 240
tccagaagggt ccaccaggga agtcaatccc ataaggcaag taatcagccc tagccaaaga 300
ttggagctgg ttgttggtcc cattatcaac caaagaatca ccaaaaatga agtagcatgg 360
aacttggtgc gcaccttgaa caccacccca caagccaaga gaaacaacaa caactatgag 420
tgccaacatg cttattgtga gat 443

<210> 32160
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32160

agctttgttg ctgaaaaatt atataacagc accaagggtc tagtttagcc ctctcctctc 60
ttctctctcc cctatctctg tttcttagtt ttaggctttt tctttgagac atttttctgt 120

tttgaattc cagcaacaat aaaatttcgt tcttcaattt ataagttcgt tatctattga 180
 ttaatggaag gctaagtcgc cagcgttgct ttctcttgag gatcaagcgc ggntctcttt 240
 gagttctatt attactgtta aattctgttc agtttttctt cttcactaat tactctaaat 300
 ttggtgctat taattcatgc atgcttagtg cttgattaat tgtctctgcg cttaatttac 360
 gttcatgctt aatgatcggt tatgagtaat tgggtgtat 398

<210> 32161
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 32161

gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 60
 cttccttaag aagattcgta aagaagctag agcttagcta cacatacctc tctaatagct 120
 aagctcacct ccttgagatg agaagctaga gcttagctac acaccccta taatagctaa 180
 gctcaccccc atgacaaaaa acatgaaaat aaaaaaagt ccttattaca aagacaactc 240
 aaaatgcccc gaaatacaag gctaaaacc tatactacta gaatggccaa aatacaaggc 300
 ctagatgaag gaaaaaccta ttctaataat taciaagata agcgggctca tacttagccc 360
 atgggctcga aatctacct aaggctcatg agaaccctag ggcctttctt tggatctcta 420
 gcccaatcta cttggagtct tct 443

<210> 32162
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32162

ttgcttcttg cgtagccgct cttggtgctc agaaaatccc aaaaacaaat cctcttatt 60
 actagctatt ttgaattctt tagttctga atgtacaacc ttcaaattgt tgcttggtcc 120
 cctctttctg ttctgcaaaa aagaaaatca aatgttgctc aaacattgat gaagtctaa 180
 gaaaatcaat atcaaagaaa acatggatga aatcacaatt aaaaagcaca actacctatc 240
 tttcaaagtc ctttggttaa tttgttttgt cttcttatgt ggcggggctt tgtttaataa 300

tcttatactt ttgccttcca aaacaaacta atcactaata ctctnttcat taatccaatt 360
ctgtatgtca ttgtataaaa gatcatg 387

<210> 32163
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32163

tccctcttat tactagctat tttgaattct ttagttccta aatgtacaac cttcaaattg 60
ttgcttggtc ccctctttgg tttgtgcaga gtagaaaatc aatatcaaag aaaacatgga 120
gagaattgtc atggttatta ttactcgaac ctgaaggaat aacatctaaa caagtcattt 180
tatncttaga aggggaaaac tctgcatatt tatggaaaac atgggggatg gaggcaagta 240
agcatgtgaa taccacaagt cattttctcc aattcaaggg cttgattaat tgctctagga 300
aaaaagcata catctggtat attggttggt ttgcagctgt ttggagcatt tggcagaaca 360
gaaatttcgg ttacgttgg gttgaccatg ttactgggt aacctattgt cacttatact 420
cttatntatg cttgaagata acacctatca gtagatgctc atattagtcc ttgagatagt 480
aagtattaat aattgctnta gcttctgact ttgtacatgc ttttttagttg atactaatat 540

<210> 32164
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32164

agcttcaatg ttaatgncac atcacataac ggcaaaaacc atatcacatt atggacatct 60
tgcgatggta ttgtaagcga catccttggc cagagtgggt ctgattggga tggcactaac 120
cacatgatca ccagcgagaa tgaaaatgct tggaatgaat attgcattgc aattcttctt 180
taatatattg ctatctgcta ttcaaagcac actgcatcag actgtctctt tttctttcta 240
ctcgcatccc tcacctaaac tgttt 265

<210> 32165
<211> 527
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32165

aataaagcaa gttattgaca cagcttctcc ccaaaaatac ttaggcaatt tcttgccctt 60
taacatgctt ctcaccatgt tcatgatagt tctgttccct ctttcagcca ccccatgtgt 120
ttggggtgta taaggagtag gtacttcatg aagcatccct tcatcacaat tatttttgaa 180
agtcatgtga agtatattca gctccacatc tgtccttata accttaatta cctttccact 240
ttgtttttca cacatcaatt tagacttctt aaaaacaaac aacacttcac tctttctttt 300
taatagataa atctacatca tccttgtagt ttcacatg aaggatacga agtacctgtt 360
acctccaaga gactggatct canaggggcc acacacatct tatttgatag tgagagtgag 420
agagacattt tagagagaan aactgatatc atttcattct aaaaagttag ttacaaagag 480
gtatatatag acctctaaac ctctgaacta agcanacaga aacaacc 527

<210> 32166

<211> 394

<212> DNA

<213> Glycine max

<400> 32166

agctttccaa actggtctgt ttaaagttac aacattgcaa gcagttgaaa tatttccttg 60
agctcccttt gcggattggc ttcgtaactg attcatcgta ttgttcacta agagaagcag 120
gattatacat ttttaacagt ataaatatat tcattaatta catatttaaa tgtttttatt 180
ttaaatttta tttttataaa attaaaattt agtatgtgca atgcatggac taaaatgata 240
gtttctatgc aatctctatt aaattaaatc ataaaacaat ttggaccagt aattattatt 300
acattaaatt aattagtaag tatttgccaa tttttaatta aaggtatatt catttttttt 360
tctacacggc ttattcaatt cgaattctaa aaat 394

<210> 32167

<211> 497

<212> DNA

<213> Glycine max

<400> 32167

ttaagaatga tttgttagat aattatgttt ataattattgt cttttaggac ttgtgtttga 60

attacttttg gttatattta aatgttttga tgatttaaga gtgaattttt aatttagctg 120
cagtattttt tttaaaacaa tacttccttc actactacaa aagagggttca aagacgggta 180
taacaccctt tccatgacgg ttttgaaccg tctttgaaat cactgtcgtg gcaaataaac 240
acttttcacg atgattttta aatcgtctta gaatcttgaa ttttatatta gttttcatag 300
aaaccatttt tgaatgtctt tttttaattt cctttacaaa tgtaaaaaaa ataaaggatt 360
tgaagacagt tgtctaaaaa attgtcttag aaagtcactt tctaggataa ttctctagag 420
aaccgtctta gaaagtacag tttttaagat ggttatttgg acaaccgtat agaaactcta 480
ctttataaga agagttt 497

<210> 32168
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32168

ttgcttcgat ttcgtgatga ggactccaag aacatacttc atattgcatg gaaatagcat 60
agccacttga cgaaaaaagg ggtcgcactt ctaattcttt atgttttaggt gagttgagag 120
agtgagtac cagtgcggcg tggaccaaag atcatggagt tttattgtcc aacggattat 180
aagattttgc acatctaatt ggtattaagg gattttatga caataagcta attaacatac 240
gtaatcatgt acgttaccta catcaccatg taatctanat caatcatgca caatgttaat 300
ttacacagcg tgaatttata ttgcctaate cttcatagcg cacaaattaa attctaata 360
aacttacact ctactaact 379

<210> 32169
<211> 531
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32169

agagggggga gcacgacatt gaaggaagaa aaaaagggag agaagttgaa ctttgagttg 60
tgtctcccaa gactctcatt catcaaagt accacaagtg ttacacatgc ttctatttat 120
agactaggta gcttccttga gaagttttct tgagaaaact tccttgagaa gcttctttga 180

gaaaacttcc ttgagaagct agagcttagc tacacacacc cctctcataa ctaagctcac 240
 ctcttgaga agcttcctta agaagattcc taaagaagct agagcttagc tacacatacc 300
 tctctaatag ctaagctcac ctcttgaga tgagaagcta gaacttagct acacaccccc 360
 tataatagct aagctcacc ctagacaaa gaacatgaaa atacanacaa agtccttact 420
 acaaagacta ctcanaatgc cccgaataga aggctaagac cctatactac tagatggcca 480
 catacaaggc ccaatccaat tcgctttctt tttcgancac gagcagtgac c 531

<210> 32170
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 32170

ttgctttatt tatgaattat tggtagaaag agggcattca cttgtcagaa atgagagtga 60
 aaaaggggaag gagaaagtct ggaataaggt agaattgagt ggatattgga ttacgtgaga 120
 gaaaacgggt ccttgaagaa catgtttcat ttggatttac ctctgtgttt tttcccagat 180
 cagagaatga ggcttgcata atttagtgtg catcagatac attttaccaa attatggagt 240
 gtcttaaaaa tagtatatta gaatgtatcg ttagcatttc tcttactggt ttaaccagga 300
 acagcaatac acctttagct atttctctta ctgttttaac caggaacagc aatacacctt 360
 tagcgataat attattcttc tgctctaagg acaaaaataa ttat 404

<210> 32171
 <211> 555
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32171

catcttcctt tgatcaaggt gtcaaaatga gaaagatagc taagaacgtg gttgatatcg 60
 aggtttccaa ggaaccttag aacttcacat tcaagccatc actccaagca caaccctatt 120
 cggcgctcgag gaaagaatca tccacttaag gaaggatttc cccttattac cttggaaggg 180
 aaacacttgg ggtaaaaggc gaggtagggc ctatttggtg gggaataaat gtgtatgccc 240
 aagatctaatt ccatcatggt atcaatttta gtaaaatatt gttctttatt ttattatcat 300

atttattgat ttattaaatt gtcaatttga caagactttg attaaaatta gagacttgct 360
atcatgataa agattatgat aatgaacaac aagtccttta taattntaat ctaaattggg 420
tttactcata cgaatattgt gaatacgaca tcaataattc ggcataatca atatatatat 480
atatatatat atatatatat atatatatat atatatatat ggcaggggct ttattggata 540
caacatagta gatcc 555

<210> 32172
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32172

tagcttctag ccaaattggac ttaccttgaa ttaattcctt tgatagccct ttgagcctt 60
ggtttccttt ccttgttntg aagctcacta caagccttaa gtgaaaaacc atgatattac 120
catatcctta aggaattttg gagctttgga attgttttgg gaataagtgt gggggggttt 180
tgtttcattg gacaacttgt tttgttggct atgcttcatg atgtattttg ggccatactt 240
gatgtacatt gtatattggg taaatgttgg acatgctgaa tgaaatgttg tttctcacag 300
gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttcgaacaaa aaaaaaacaa aaaaaaagc 360
aataaagttg agtgaataag atctttaat 389

<210> 32173
<211> 486
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32173

gagacatttt tttttaatcc tcccccaaat taggagcata tcataactaa gatctttatg 60
ctctcttaaa ccctagaaaa aggtaggaga taattaaagt aggccttaagg gttttacaaa 120
aaaacacgat taccattttt ggctcaaata aggagcaagg gataaactat tatcaaaggt 180
tggcnttttg gctaagtggc taaaataaaa agaaacatgg ccttgatcat atccacctta 240
tgcaaataat ctaacagtct aagaatgata caaaattagg aatntaaaaa caaacgttct 300
ctcataatta agttcacaca gtcaccggg acaagataaa gttattggct taccggacca 360

tgatctcttt ccatcaagct aaccttttct ctctttgtga ttcattgttcc actggttgac 420
 tgactcttgc ttccaagaaa ccagtatttt cacaattggg tatgcagcat tcaagtgttg 480
 aatcct 486

<210> 32174
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32174

tagctttctc ggggccattc ctgcgaaggc aaacatttgg aaagttagtt cttaccaaca 60
 aatgctaccc ttanaacaaa aatggcatac acaccccttc aataaataca aacatcaatg 120
 taaattttaga gcaagcttat gcgcatactt cttcacgaac gttcacttgc acaagacatt 180
 cttataacta agacaaatgc acccatatac aatcaaggca ccttcgttac ctagattatn 240
 tacatgtacn ttccaggtgt atctggtacc tacatcacac acatttnctt tgcctaattc 300
 acatacatgc atactctaag cacttttctg ataaaaaatg catacgtgca catctttgta 360
 tttctaataa ctata 375

<210> 32175
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32175

acggcccaat aagcacggtg ctcaatctcc actggaaggt ggcatgcctt accaaaaacc 60
 atcctataag gagaaatcct caaaggtggt tggtaagcgg tctgtgagc ccatagagca 120
 tcttcaagta gctttctcta atcctttatg ttgggttgca ctaccttttg caacacttgc 180
 ttgatctctc tttgtgctgc tggggcatct catgcctata tgcaatagtc cctttcgctc 240
 tctaaaattg ctcacaagtg gtagaaaaat gatgagcatc tctaaaaatg gtggggccaat 300
 agaaccaca atccaatacc ttcttagtgg tctactgagg accaaaatga ctgcgggtag 360
 gtgtgccatg acaaaaactga naaatagatt gaatctcatg atttggcaca catctgcgga 420
 tcacttggtc actaccaaac cttgaaaaat aaggatcatc ccacacataa tcttttagcat 480

cactcttaag nttatct

497

<210> 32176
<211> 272
<212> DNA
<213> Glycine max

<400> 32176

agcttggtc ccttggtgcc tacgcgagct aggatgctat ctctaaaagc taccgccttc 60
tggatgaaca tcctgtaagg cccaagtagc ccacgctgct attggcacc cctatgtact 120
aaatacacgc ctaccttaat tgatgattgt ttttatgacc tgatgtattc acatgggtacg 180
tgcaagatgc gttaagagca taccacttat cgaaaagggg atggtagatc ttatcggggag 240
ttattacagc catcctgtcg gcgatgatgg ac 272

<210> 32177
<211> 334
<212> DNA
<213> Glycine max

<400> 32177

aatcatccaa atatcgagaa ggacaagtcc tccataacaa taacagcatg tccctccctt 60
gcacaatgct gctggctcta gcaagccata tgttcctgct ccaatgcac accgactgag 120
acaacacgct gctgaagccc ctaccttaacc ttacttagaa gagtcagtga ggcaaagtgt 180
catccagaat atgagatctc aacagcagac aagagcctgc attcagagtc tgacaaatca 240
gatggcgag atggctactc actcaaacca agctgagtc caaaattctg acaaactgcc 300
ttcacaaact atgcagaatc tgaagaatgt gagt 334

<210> 32178
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32178

agcttggtgt ttatgcagac acgttaccat catgttgctg ngttggtttc attgcaacac 60
cgttttgttt ctgagcccga gggtcaaggg cccaagggtg cgtttctctt cattgcaagg 120
aacaggctcc ctttggaat gggttgngat gctttcttta gggtactttc ttttctcttt 180

acgtagagtt tgtacgcgca ccttttttac cttatcaaca ccttcaaggg aggttttcac 360
aatctcccat gcttctttgg atgtggttgc atttgacacc aactcc 406

<210> 32181
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32181

tttttgtttg taaggattgt ttgaatgaat tggaaaagtg ttcaagattg gaatgattga 60
tttcaaaatg caaaacaaag ccttgctttt atagactcct catgtctggt caagaaagcc 120
attcagaaga gttatatcct ttagaaaagc ttaaaaacca tttgaaagag tcaaaacctt 180
tttgaagagt tacatcttta gattttttcaa aaacaaacac tggtaatcga ttaccaaata 240
tgtgtaatcg attacacaaa gcttttgaat gaaacaatgt gactcttcac atttaaattt 300
gaatttgaac gttcaagggc aatggtaatc gattaccata acattgtaat cgattacagc 360
ctttagaaaa tatttggaac gttgtaaatt cagttggaaa acantttcaa actcattntg 420
ctactggtan atcgatacaa caatatggta atcgattact agagagtaaa actctntggt 480
aagggtttgt caaaactcat 500

<210> 32182
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32182

agcttggttat ttagttnttg atgcagcaag tgagggaaaa caattcttaa ttgttggtac 60
aaaaaaaaa gcagcggatt cagtagcacg ggcttgaata agagctcggg gtcattatgt 120
taataaaaag tggctcggcg gtatgttaac gaattggtat actacagaaa cacgacttca 180
aaagttcagg gacttgagaa tgcaacaaaa gacgnggaga ctcaatagtt ttccaaaaag 240
agatgccgct atattgaaga gacatttagc tcatttggaa acatatcttg gcggcattaa 300
atatatgacg gngttacctg atattgtaat aatcgtcgat caacaagaag aatatacggc 360
tcttcgagaa tgtataactn tggaaattcc aacaatttgt ttaat 405

<210> 32183
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32183

gatggatcctt atatatctat atatctatag atagatatat agatatagat atatagatat 60
 agatcataca atgaagtacc gcacgagtgg gtatatagga atccaaatct gccgaatcac 120
 tcatgttatg atcttctaca tccctaggtct tcccgttcct tcatctgggt tatgttcttc 180
 atgtagcatt cagactgaat gactctatga aattacgtcg ctacttcac atggtacggg 240
 taacgtagga gacatctcta tttttcccg gggaatcct tagaattacc acagcttagc 300
 tntcaattcg cctctgacca tcaaataaaa tgtgaataac cgtcctccc ctctntgaaa 360
 ctntgaaaca aagggtgctt ccggttctgt cgggtgcttga aacaattnta gtcttctcat 420
 attactatat ctgagagtc acataattta tatgaggaac tactgaactc aatca 475

<210> 32184
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32184

agctttctcg tacctcaatc agcaatactg caactgaaga cgtattatta ttattatcat 60
 caataaaaca tgaacacca cgaaaacata gcatacacga agttgacctc cgtacctcgc 120
 ggagaaaagct ntgagctntg agcaccacg agtgtttcag caccctagta ccaagagtgt 180
 atgtaaagtt tcttcgagcc acactttcaa gagcagtgtg ggggggttctg taggttcgag 240
 cgagggggtt ccggcagtat tgaaaacaat gtgggacaat gtgggtgtcg agggagcggg 300
 ttctggcaga tttcaggcgg gaggagaaag agaacagcga ctgcaagggt ttcgagcgca 360
 cgggttggtga aatgccaatg ttntaactta taaacataac aacatc 406

<210> 32185
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32185

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 ctactaatt ntaagtgaat tatgagtgcc aaagatgctt aacctttttt cctcagcccc 120
 ttacaccatt ttatagcaaa aatgagggag gtggttgccg cctagctcgc ccaggcgagc 180
 taggtagctt cgcctgaag taacccttct ccaaaatatt ccagatgggc ccagggctag 240
 gtacaccccc caaattgatt agttaccccc ttattttttg tttttggctg atttcctttc 300
 gaaacatcgc gaaactttat ggattacgcg acgatgagt ttaagcatct caacttggtc 360
 agcaaaggtc cgcattgtga caaaaaattg tcccctgatg aaattagggg atgacagttg 420
 cccctctnnt acttatgttt attggagata aaagggaagt aaaggtaaga cactaatttc 480
 gttcgagctt gaaactcacc cgaccgacca atagctcaat ca 522

<210> 32186
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32186

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 ttgttggttat tattgaggat gaagatcaag ccttactgtt attgtgtgat ctacttaaga 120
 cctttgctca tttcaaagaa acatttctct atggaagaga ttctctcact cttgttgaag 180
 tccaatcagc cttgaactct aagggattaa atgaaagaaa tgaacaaaga cttctgttac 240
 acgngagag actcagctcg tggaagacaa tataagaagg atgataaggc agaagggaaa 300
 agatccaagt cacaagctcg atctggatct aatgtaccaa acattagatg ttaccactat 360
 aaaagagaag gccatactcg gagattntgt cctgatagac ac 402

<210> 32187
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32187

gatgatcgtg caaatggat agaattaaat gatttaataa aagttgggtc agtgggaagc 60

aaaatttttag tgacaacacg gaggtagtca attgcttcaa tgggtgggcac tgtaccctct 120
 tatgttttag aaggtctgtc tgtggagaat tgtttgtctc tgtttgtaa atgggcattc 180
 aaggaaggtg aagaaaaaaa atacccaaat ctagtggata taggaaaaga aatggtgaaa 240
 aaatgccaaag gggttccact agctgttcga actttaggaa gttctctgtt cttgaatttt 300
 gatttagaaa gatgggaatt tgtaagagac catgagatct ggaacttaaa ccaaagaaa 360
 gatgacattn tacctgccct taagttgagc tatgatcaaa tgccatctta tttgangcag 420
 tgtctgtctt atttttccct ctttttccaa ggatttggcc acattgggtc tcantttgtg 480
 agtctttgcn gatcatttgg attacttcga tcttcctctg gaagt 525

<210> 32188
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32188

ttgcttttgt ttcagagttg cttttgaaga tggcaagcaa gaagacactc tgcccaaagt 60
 ggggtcaaggt cacttgatga ttttcagtga gcccataaaa atatctaagt tctgtccaac 120
 caactagtag agttgagctc accagatctt ggttgatgtt aatagagtgc atgttgctac 180
 tattgtctag tagatgacaa gtatgtctta nttcagcctt ccatcttata gcaaagacc 240
 tactgacttc accataacga tacatttaac aaacaaagta atataagcaa atgtgttata 300
 tcatgtcatg tttatttgag aataatcttg aaatttctaa attgatacat tacatgaaca 360
 acattgaaca tttctctgtt ttttttttgg ctaatcttca 400

<210> 32189
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32189

gaaacttctc agctgcttga tattgagtgg tgtagggcac tctagaactg tctgcacctt 60
 agtagcatcc atagcaactc cttcacctga aactatatgt cctaagtact ctatctccaa 120
 tacaccaaaa gagcatttag acaacttagt aaacaaaaca ttttctttca acactttcaa 180

tacagcctca agatggcata agtgttcatg ccatgtggaa ctatatacca atatatcatc 240
 aaaaaaactt aacacatatt tccttaaagc atgttggaaa atatggttca tcaaacactg 300
 aaaagaagtc ggagcattgg ttaaaccaaa tggcattacc aaccactcat aatggccatg 360
 gtgagttcaa aaggctgggt tatgtctatc ctcacgttgg actagtatct ggtgatagcc 420
 cgaccttata tccagnttag aacaatactt tgcaccaaatt agttcatcta acagcttggt 480
 catagtaggc acagggaaac tatcttttac 510

<210> 32190
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 32190
 ttgctcaaca ttcaatgtca agcgtctcga tatattatgg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgtttg aattggctcg gagcttcaac attcaatttc gagggctctg 120
 atatattacc ggactcaatc cgacatccga gaaaaaatt attgtcgttt gaattggctc 180
 acaggttcaa cattcaattt tgagcgtctc gatatgttac gggactcaat cagacatccc 240
 agtaaaaagc tattgtcatt tgaatttgct cacagattca acattcaatt tcgagggctc 300
 cgatatatta cgggactcaa tcagacatcc gagtaaattg ttattgtcgt ttgaattggc 360
 tcacaggttc aacattcaat ttcgagcgtc tcgttatatt accg 404

<210> 32191
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32191
 gattgagtc cgtaacatat cgagacgctc gaaattgaat gttgaagctc tcagccaatt 60
 caaacgacaa taacttttta ctcggatgtc tgattgagcc tcgtaatata acgagacgct 120
 cgaaattgaa tggtgaagct ctgagccaat tcaaacgaca acaacttttt actgggatgt 180
 ctgattgagt ctcgtaatat atcgagaggg tcaaaattga atgttgaagc tctgagacaa 240
 ttcaaacgac aatagctttt tactcggatg tctgattgag tctcgtaaca tatcgagacg 300

ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataactnt ttactcggat 360
gtctgattga gtcccgtaac atctcgagac gctcgaaatt gaatgttgaa gctctcagcc 420
aattcanacg acaataactn tntactcgga tgtctgattg agtc 464

<210> 32192
<211> 347
<212> DNA
<213> Glycine max

<400> 32192

ggtttgtttc ttatgttgga tttttttttc ttctcattgt tgttttaagt gcaattcata 60
tatagttgac gcattaaata aaaatctaag ttgattaaa aatcattatt ttctatcaat 120
atatgtcatt ttttttagta ttgctcgcgt gcatagaagg ctcaatttta tgcttatcca 180
gtcgtctgct ttcaaccatc aagtacaaac attttgaatc catttgtatg tttacgtcca 240
aaacatcatt ttactctagt taaacaatgg atgctttttc cattttccct ttctctttcg 300
ttatcattat tagctagggt tggttgccag ctgattattg cttctat 347

<210> 32193
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32193

aacacgcaca cacacgtctg tgttttcttg atcttaaaga ttgtagtaac aagtgtttta 60
ggccaattgt aggttttaac taaattattc ttcgcaattg atgatgtaaa tatgaactgg 120
aatcagcaag ttggtcattt tacactattt cacacgaatg gaatggaagc atacaaatgt 180
gttaaattta aatattgatc agctgacaat ttttatataa cccatattca tagcaaatac 240
taaaagtcag actaaagaag ttagtactca gtagacattc tattaagcaa aaaataatca 300
ctggccaaaa ttaataacat taactaccat gcactntttt gttcagggaa tgatgaacag 360
cagatagatt ggaaacagtg ttgtggacaa agaannatnt agcttttcaa gatcatcaga 420
aaaaagtaca ttcagactgg atgtccttat c 451

<210> 32194
<211> 398

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32194

ttgttagctt atattattct atgaaaagaa tggatatctc cacaacttct catcactgag 60
aacacctaca canaatggng tagttgaaag gaaaaataga actttgcaag aaatggtagg 120
accatgcttt gcacaatctc actaactaaa aacttttggg cagcaacaat aaacacaact 180
tgctatgttc aaaatagaat atggtaagac attgattaaa aagactcctt atgaactgtg 240
gatggaagat gacctaacat ttcatacttt catccatttg gatgtaagtg ttttatcctt 300
aatccaagaa atgaactcgc aaagtttggg ttagagggtg ataaagggtat cttcctagga 360
tattctgaca tatctaaagc tttcagagtg gttaactc 398

<210> 32195
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32195

gggcagcaat actactaact tgactgtagt gtgcttgtat gtagatgact tgcttgtgac 60
acgaaataat gagactgaga ttgccaaactn taaaggagag atgataagag agttcgaaat 120
gactgatttg gaccttattt cttattttct tgggaattgaa ttcaagagaa ctaatggggg 180
agtgatcatg aatcaaggga ggtatgaaag agatgtactg aagaagttca gaatggttga 240
ctgcaattnt gcagacacac ccaactgccac tgggtgtgaac ttggtgaaag atcctaataga 300
agaagaagta gatgtaacat tgtatagaca aatgggtgggc tcaactgaggt atctntgttg 360
tactagacct aacttattgt atgttgntgg ctttaattagt agatatatgg agaactctga 420
ac 422

<210> 32196
<211> 70
<212> DNA
<213> Glycine max

<400> 32196

agcttctttc tgcgtcggcg aagagtagta ggagcgattc tgagaggagg atcgacacac 60

ccacgcgaga

70

<210> 32197
<211> 148
<212> DNA
<213> Glycine max

<400> 32197

acggcctatt cgttggcgaa taaatgtgta tgcccaagat ctaattcatc atgctttcaa 60
ttttactaac atatttgtct ttatttttatt atcatattta ttgacttatt taatccgtca 120
tatcgacacg actttgatta atattaca 148

<210> 32198
<211> 197
<212> DNA
<213> Glycine max

<400> 32198

tgctttggtg cggcgaaaag attgtgaagg tgaaaagaca actataatga ccagacatac 60
ggaaatgaag agactcgtag tgcaagtgtt ttgatgcgtt ccaaactgaa aagtcaaata 120
agtagtggtg ttggccattc gagtttcaat attgttggtc gttgggttcta accatgccta 180
atacagatat tcaacta 197

<210> 32199
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32199

taaacttgct ttctatttat ttgcacatgt ttgaaaatg gttctttatt tgatttaact 60
aatccttgaa tttgcctatt gaagatagca gtactttcta caggtaatct ttctacttat 120
gaatggcaaa ttaattaacc ctctcttaac atcaattacc cattgtatat acataatttt 180
tattactcat tattagctct tacttaattt aatattatat aagtatattt attcattatt 240
agtaatatag ataattttta ttactcattg ctaggctcta attaattaat taatatttta 300
ttatatttat tgattattaa aaatataaat aattnttacc actcattctc agtttttata 360

tataaacaat tattacatca agcatattga ttaattacta tgc 403

<210> 32200
<211> 63
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32200

tgcttgngct tcaagtttcc atacataggc ggagaggtga agtgatcaag gtatcagaca 60

ctg 63

<210> 32201
<211> 231
<212> DNA
<213> Glycine max

<400> 32201

tcaccaataa caatgcacag attcaccagt aatggaacgc ttcagaagat aaaaaggtat 60

atgtcgatgc cctaagtact ggatgaaatg gactatgtat ctcacgatct cagggatgcc 120

tgtcagatgg atagcctcta accataacct acattgagca tgcacacaac tagatgcgtt 180

atcatgtaca tacacgcgca cgtatgaata catgtaccct cacatgatat c 231

<210> 32202
<211> 153
<212> DNA
<213> Glycine max

<400> 32202

aactgacttc gcactgcctc tctcaagttt caagctcctt accctgtttt gctcaataag 60

ccacctgatt acaccttttt gaggaactct ggatgctctc gctatccttt tcttagaccc 120

tataacaaac acaaccttga gtttagcccc cat 153

<210> 32203
<211> 233
<212> DNA
<213> Glycine max

<400> 32203

cagattagca tgaacctaat ttccatattg cctagaaatt tgaacaacta ttggccatca 60

acaccacaga ccataacgat aaaagccttt gacaattaaa aaaaatacaa aaataaaata 120
 caaagcagca gcaacttagc atgtagtata acataagctt gacaaataaa aatacactat 180
 ggaatacaac tatttccaaa tactgaacaa ttatcaagat taacctgaat cta 233

<210> 32204
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32204

aggaatcana ctcatgacta ggaacccacg tttgctttat gagctagaaa aacatgcact 60
 ctgcgatcgc tatgcagacg acttgatcag agtaaacatg aacatacatt tctcatatcc 120
 tttgaaggtc caaccatctc tttttttcac ttcatatcta aactgactac tcgcgcctac 180
 acatctatcc ttgccctgcc tccatacgcc tacataggat catgtattct gtaatttatg 240
 actaatcatg attctctgtg atcttgctct ctaagtaatc ctaacttact ggatacaaaa 300
 ctattaagca gacatattta ttatccctat aattcttatt gtttgccgtc aacactcaca 360
 ttaatgtag agaaccctcc taggagcctt atcctgogaa actattcgac aacgacgcac 420
 ctttccaaat tgtagcttgc accttctaata tactacggta cacgccccg 469

<210> 32205
 <211> 65
 <212> DNA
 <213> Glycine max
 <400> 32205

agctgcaccg ggatccttag agcgacctga ggatgtagtt tatatgaaag aatgattcac 60
 gcaaa 65

<210> 32206
 <211> 116
 <212> DNA
 <213> Glycine max
 <400> 32206

aagacatatt ggattggaga tcatgtttgg aacaatctgc tatcacattg gaatgcacct 60

aagtatcggtt tcaagtgtgc atgagcaaaa aaacacaaca tcaagcatct gaacag 116

<210> 32207
<211> 375
<212> DNA
<213> Glycine max

<400> 32207

atcatcggca tgagattgga gagaatcaga ggtaaagaat tggaaacaga taaatgttgg 60
gagcttcaac ttctaaactg tgaatttctg ttacaacctt acacagattc agttgtttac 120
cttacagttg gacagggtggg attaacgaca atgttaacac gtgcaattat ggtgtttcag 180
ttcttcatgt aaaaataata acactgcagt ggacatcaat gtcgttctca attaaaatgc 240
cctttttcat aggaacatgt tgggccattt tctacctatt agaaatcatc ttgtatataa 300
cttttaaagt catcattata aaatatgaat aatattctct taacaaaata atattctcct 360
acaagataat atata 375

<210> 32208
<211> 143
<212> DNA
<213> Glycine max

<400> 32208

agcttatact ttattataat ctatagtgtc gaactgtgtt ttaatcacta cgaggcccaa 60
ttccatattt atcgttttat ttaatcaaaa aactaaaatt ctcatTTTtac aaacacacat 120
tacaaattta atcgataaac ata 143

<210> 32209
<211> 431
<212> DNA
<213> Glycine max

<400> 32209

gtcctatga gggtatcttg acttctaagc ctttctctta tttgatcggt ttectcttag 60
tgcctcttgt atgttgggaa ctgtcgcaac ctacctttt gcggggcgagt gacgcgaggc 120
tcacgggtgt gtcttccatg ggaggaaaat gtgcggagtc gccaccaacg tttattgaaa 180
ggaaaacatt ggaaaaacca aaggaaactg gtcataaaga atattccaga ttcaggagtt 240

atgcttacgc ttgaggaagg tattagcacc tctcacgttt gtcccaaagg acaacagcct 300
tagatttaga gctgcbtgaa atcatgtatc ctacattctc cgtctctata tattcttgag 360
gtccacaaaa gcgggatttt tgctcctacg tatcctccat cagagaggaa atcacaccta 420
cgtagttctt t 431

<210> 32210
<211> 276
<212> DNA
<213> Glycine max

<400> 32210
agcttcttgt tgtcggtaag atatgcecca tagtcaatag tgcattgggtt actcccttgc 60
gagtggatc acagaaatgg ggtacacaga ttactactaa tgaccagaat gagttgattc 120
ccacaataac tatgaccgga tgaagaatgc gcattgatta tgcgaagcta attaaagcta 180
cacaacata tcattcttct cttactttca tggataaaaat gttggaacgc cttatgggat 240
aagcctatta tactttcctt gatgggttatt cccgat 276

<210> 32211
<211> 485
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32211

ccgcggtttg agcgttgata acgtgcctac gagaactgac gctaattngcg caggataatt 60
gatagttatg ctcttcatta tgagtgcgct ctatgactaa ccaaacacag tatatgaact 120
agtcattggct tactatngta ctctctatcg gataccggac gataatacta taattatcat 180
gaagactttc ttctgacatg gactatagcg tttttatgat ctagtcatta tgcacagtcg 240
tgcctatcat tgtgactaag actagagtag agattgcgca ctatacatcg cacaattctt 300
gcacatacga ttgctaaaca ttcaataatt atcacatgaa tgaaaattgc acaattgaaa 360
tactatatga tccgacttta cataatgata atagtatgca agatgcaaga ttgaagaacg 420
tgtatgacaa ctcbgtgtgca agaattgtat tactctataa tcatacaggc gaaattatac 480
gatgg 485

<210> 32212
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32212

agtttgtatt ttggttcaag cctacatgag gntcaatact ttggttttgg gaaaagctac 60
 ttatttgctga aaatcaatac aacttggtca acactcntcc cactcaatct catacatgaa 120
 ccacagacaa ctttttccga tcttattttg ctactatatt ctctgatttg aaatatgttt 180
 atcatgttgt ccactattct ggcgttataa attcatctgt ctctactaaa caccatatca 240
 tgtctcacc ctttcgcatc attaaatg 268

<210> 32213
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 32213

catctctggg ttatgtggct tacatcaaga cttttatcgg gtgcttgtgt aagcacagga 60
 ttactatttc acaccctctc taatgcgaat taccaatgag catcaattct aacataccgt 120
 gtgccaat ttaagaaccc ccattgcact tgctcttaca ctactctta tactctgttt 180
 ataataaagt ttactgata aaaaatacca acgtgactta gctcatttag actatacacc 240
 cgaggatata ctgagctcta agcccaattg taaaaactac caactggact aaatgcgatg 300
 ctacgaa 307

<210> 32214
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32214

cgccgagtga gtctgacatc aagtcattgg atctcgcacc ngcggattct ctanagtcta 60
 catgcaggca tgcacatttg tactttttaa cnatctcttt cataggttga ggttgctctt 120
 agattgcctg tgctgtaca ttattacatg ctaacgctgg atcacgaact tgccatcgac 180
 aactgatta caaatcaaat ctccggtcctt aaaatctagt taacaaccaa ccattacatc 240

ttgcatacag tgcttaaacy ccatcacttc gactacttat gcttttcacc agatcgtacc 300
 attctcgcta tcatgactaa aaaattatgg aaaatgaacc aattacgtaa acatatgcat 360
 ggccatggct acagcgcgca ctccacccat cctaagaccc ctctgtactt acatccgttg 420
 actgcccgta caactggtcc aaaaacgaaa aac 453

<210> 32215
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 32215

gttcggggaga caaatgttaa gcgttctcga tatgcgaaga tgatattccg agtactttgg 60
 atttggtacg accatgctct cctgatttcc agctgggaaa ttggcgagtg gaggaacgcc 120
 ccggcattta cgcaacaagc ataatgtaaa cctttacggg ttttaaaagc tctatagttg 180
 ggccataggct ttagagtttt catttttgta aggctttgtg tcttttggtt ttgaatttat 240
 aatacaagga tctttcttca tctgttctcg gtctctaccc attctcattc atttgcattg 300
 ttacttcttt ttctgaaacg gcagatccga tgacgagtc cccgaggtac taatacctgg 360
 gaccctgcta tgcactttga gcacgaaatg 390

<210> 32216
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 32216

tagagaggaa gctctcaatg gaggaagata atgagagtta gagagagaga gaggcgtgga 60
 aattaaagga ggataggag agaagttgaa ctttgaagtg tgtctcatag tttctcattc 120
 atcaaagtta tgacaagtcg tacacatggt tctacttata gcctatgtca ctaactaaat 180
 gaaattcact ttgtgtttta tttttatttc atgtaaatct aaaaggaata ttccaagaat 240
 atgccaaagg catcttaaca tattcccttt agatgacaca agcatggaag gtgtgactct 300
 agcacatggg aagcttcctt gagaagcaag gaagatagct tccttgggaa gcaaggaaga 360
 cagcttcctt aagaagctag agttagctac acatacccct ccaatagcta agctaacccc 420
 catt 424

<210> 32217
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32217

agcttgtagt cgattactta catactgtaa tgcattacca gaggagtttt tcagaaaaca 60
ttctcaacag tcacatcttt ctgtgtggtt cttgaatggc tatcataggc ctatatatac 120
gtgacttgag acacgaatnt gacaagagtt ttgaacgaaa aaagtctcat cctcctaaaa 180
agcaaaattg ctttatcctc ttacaaatt 209

<210> 32218
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32218

atactccagc ttgatctctt tntcatttgt agtttactta tgaaacatgt tgaagtttgt 60
ctctgttaaa tctatagact gcttgagca ccaatagaga ttactagtga taaatcttta 120
gggaaatttg taacatagat tcaattatat gtaggactag ggtcagatat agtcataaac 180
aaattgtctt ttggttcttt ggtagtagat cactgctttt ggaatgtttt tttttttgtc 240
agcaaaaata atatataattg atatatgagg gagtaccaga ggtaccataa atacaagagt 300
atgtaagtaa ggctggtaaa tctcatatc aggctgaata caaactgata ggagcttact 360
agcctactaa caagtggcan aaattacaaa aaccacagct ggtgttacct t 411

<210> 32219
<211> 208
<212> DNA
<213> Glycine max

<400> 32219

tcaagettct tatccaaggc tcactcttgcg ggcgaagctc cttcttccat ggcttactcc 60
ctagtggatg gcgcctcttc tcacctcttc tcctttgtct tctgctgcat ctccatgatg 120
gcaaatcact attaaaggac ctcatgaag ctcaaagatc cagcctccat acaagcccca 180

caagcaagct tccatcatat acatatta

208

<210> 32220
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32220

caccgcctgc catgaacctg anttcgaatt ttcgaacncc ntttgaaant cgcggttttag 60
gagcttttat accttttata gcgcgggtttt ggggagctct tgcgcgatct tcgagggttc 120
tttaactgac gtccctctgca gcactattct ctagaaactt ctcaggaagc tacctcctct 180
ataactagaa gcatgtgtaa cacattgtgt acctcttgtg aatgacagcg ttggacacac 240
aactcaaagt ctaacttcat ctcccttttt tttccttctt gtcctcccccac tctattttct 300
ctacctctct cttttgctcc attgaagcat nctctccatc cttttattca cgactctctt 360
ggtaggtgaat ctccctctct catggcctat ttcttactgg attgctccat ctctcaccta 420
ttttcctttg tttccgctga tatcaacgtg gaaatcatct tgc 463

<210> 32221
<211> 431
<212> DNA
<213> Glycine max

<400> 32221
tatctaacat taaggtttat ttaatttggt tgacaattta tgtaataact ctatagacta 60
tagagtgttt gattaccgaa ccttaactac tactgaaaat tatattacaa caacctaaat 120
ttgtaaacat tatcttggtt attttttatg aggacacatg tatttttatac ggaagaaaat 180
attgtgagtt acataaaaaa ttattattat aagagataaa agtttctctt tgaatattta 240
gcatataaat gtacactcaa agctcaaatt tggaatcaca tatgaattta gactagtcac 300
gagtaaatta atttatacat tccatgttaa aacaaattat catcataata tgaattattt 360
aatttcatat tataaatata ttaaatacta ttgcacgact tacccttgaa ctaattttta 420
cagattaacc g 431

<210> 32222

<211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32222

agcttatgac tgggtcaagtt cacatatcca gaatgttttg aatatattta gttgtagtct 60
 tgcggatgaa agaagtatgg ttcaagaaat gacacaagaa acaatttttg cagtcctcct 120
 aagcaacctt agtcaattct ttagttagag cegtgaattc aggaaaaatat ctagcaaacc 180
 agagttgaag gaaccaaaaa gggttgcccc cggaccaatg ttttggcatg tattcattnt 240
 ggtaatcatg ccaaaaagag aatcgtaaaa aggtgcaaga caatagggac ctatggcaac 300
 tctcttgcca aacatggt 318

<210> 32223
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 32223

tatgctgcag acatttatta tagttctact caacagctat gcgcgcaact tcagagtaat 60
 tatgaccttt caagcaatag atacaatcca tgttgaggga atcatccaaa tctgagatgg 120
 acaagtcttg cacaacaaca tcagcatgtc cctcctttcc agaatgttgg aggtccaatc 180
 aagccatatg ttcctcctcc aatacagcaa cagtgacaac aaagacaaca tgcaactgaa 240
 gtcctactt aacctttctt agaagagtta gtgaggaaaa tgaccattca aaatatgcaa 300
 tttcagcaat agacaacagc ctccattcat agcttgacaa atcagatgga gcagatggct 360
 acttagatga accaagctca gtcccaaaat tctgacaaat tgccttcata aactg 415

<210> 32224
 <211> 142
 <212> DNA
 <213> Glycine max

<400> 32224

acaagcactg ccgcagtggc acaagacagt taatgagttt atgagcgact cagattcac 60
 aagatgtgac atggaccatt gctgctatgt taaaaaatat actaatagtt atgttatccc 120
 ttgtgcgtat gctgatgaca tg 142

<210> 32225
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32225

tgggtgattt tctttttctc tgttatacaa atttatgttg tgtattgaga aacaaagttt 60
 tagtctccat tggaggtaga tgtgggtttt tagttgttga ttttcaaact taaatttgaa 120
 aacaaaaaat gtttgaataa aatgaggttg aaatgggtttt taaataaatt ttaaaaccaa 180
 cttagctcac ttttgaaaac aagaaataaa agagttttgt agtttaagtt tttggaagtt 240
 gtgtgggtttt gatactttcc ttcacttttc tccaccttcc atcatatctt tgtttcttgt 300
 ttagtgtttg ttagaggtga caaatagat gaggttaact aactcgactt gaaccattt 360
 gataaaatgt aggggtttaa ctatagacta tgatcatgaa tntaatttaa gtttttta 418

<210> 32226
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 32226

agcttacggg agccaccctt tggcagcagc cccaagcctt cattgtgcat ttttgctttc 60
 atttttcgca ttttctttca tctctataca gtaagtacca tctcccttca aattttggct 120
 ttccattgtg gtattctggt gctttagctc tcatattctt tctaaatttc atgacacaat 180
 ttgcgtatga atccatgctt tgattatttg attgcgggct gcaacggatg accctacgcc 240
 tacctttgat tctactatgg at 262

<210> 32227
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 32227

actatacctg gtatctgaca tatgtgtttc ttgatctata caggcgaccg tgactacacc 60
 ctgcgtacta ctagactcca tcttagacga gatgttgatc tatatgattc ctcttcttgt 120

aatgggtatg atgaaagagt ggaaagaaac attcttatac cctctctact acctctatac 180
 ctctcttggtg acgaggaccc ttgctaacca ccttctgcta cgctcacag actagatcat 240
 gaactatcgt taccatatgc tactccataa ctagtattat atttggtgtg catatatgac 300
 atctgtctct ggaccgtact taaacctggg atc 333

<210> 32228
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32228

agttttcatc ggcaaaagga tcgaagtgtt tctgattata ggcaaatttg atcatcgcta 60
 ctttgataaa taaaaagcct gnggcaaagt gagagagtaa gaatgatgga ggaacccatg 120
 ctgtgactgt cgttcctaca tggccaaatt tcccaccagc tcaacaatgt caatactcag 180
 ccaatatcag cctcctcat taccaccac cctatcaacc agaacaccc aatcatccac 240
 aaaggccatc cctaaatcag ccacaaagcc tgccttccgc acatccaata ccaaaccacca 300
 cccttaacat gcaccaaagt accaaccagg gaaggaattt tccagcaaag aagcctgtag 360
 aattcacctc aattctggtg tcgtatgcta acttactccc atagttactc gataatgcaa 420
 t 421

<210> 32229
 <211> 131
 <212> DNA
 <213> Glycine max
 <400> 32229

cgctttttat tatggcactc tcttggtggc gaaaggactt ctccatggc ttattcccta 60
 ctggatgacc tctcttctca cctcttctcc tttgtcttcc gctacatctc catgatggaa 120
 aatcaccatc g 131

<210> 32230
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 32230

atctaattat tagtttctat gttattaaca agccgttcat gagttaacta gagatttctc 60
 tttgaattat ccgatttctt tctagactat aacttaaaaa cttcagaatt taaccacacc 120
 taggtatatt atgataacat ctgatttttg gatttcagta gtctaaaaac actattcagt 180
 cgcataatcag aacactaaca ttgtctacca catatgataa atggggatgt tacaactgag 240
 agcataaacc ttgataacta tcatgaagta caatcagcat tagatagtta tttgtctatt 300
 gttaagtatt agtgacgtat ttttagtctg aactttatat taaatccatt ttaactaaac 360
 aattattcat gttttttata aaaagtgtca ttatatgtat tttacctaac aactg 415

<210> 32231
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 32231
 agcttctagt ctaatggact taccttgaat gaatcgcttt gatagcccct ttgagcctat 60
 gttccccctt ctttgttttg aagctcatta caagccttaa ctgaacaacc atgatcacac 120
 cctaccctta atgagatttg gagctttgga attgttttgg gaatacgtgt ggcgggggtat 180
 atctcaattg aagatatgat ttttggacat gctca 215

<210> 32232
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32232

cttcggttgt tcaatttcta gcgtctcgat atattatattt ttcgaatctt acatccgagt 60
 gaaatgttat gaccattcga atttgtcgag agcttctggt gttgaatttc gagcgtctag 120
 atgagttatg tcaccgaatc ggacatctgt gtgaagagtt atgaccattc gaatttctcg 180
 acatcttccg ttgttcaatt tcaagcgtct cgatatatta tgtccccgaa tctgtcttct 240
 ttgtgaaaag tttggaccat tcgaatttct ggacagcttc cgttggtcaa tttcnagggt 300
 ctogatatat tatgtccccg aatcgacat ttgtgtgaaa agttatgacc attgaaattt 360
 cttgagagct tccgttggtc aatttcaagc gtctcgatat attatgtccc ctaatcagac 420

atccgagtga aatgttatga

440

<210> 32233

<211> 205

<212> DNA

<213> Glycine max

<400> 32233

agcttgctct atatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
gctttaaaga gtaatgtccc actaaaacta actctccaaa tgtttgctt cgcaggaatg 120
gccccgacga agcttgcttc acagacgtcc aggaaggaca acgcgccga acgaactagt 180
tccgccccgg agtacgatag tcacc 205

<210> 32234

<211> 316

<212> DNA

<213> Glycine max

<400> 32234

cttccatcca gtgttccctt gatggggacg aggggaggtt ttaattgctt taattacaat 60
cctatcctca ccataagaca atttgggtac cctatgagag gagcaccatt agaggaaggc 120
ctcacacctt ttattgcgag aggtttcaat agcaccaacg tgaggggtgct tcatagggtc 180
cgcaaggcat gacacagggt gcaaaagatg gacgaggaac ttatgggaag taacaatggg 240
cccatcgacg gttaccgtag gtggttgaaa gcctacacac aaagtctgga ttggctttca 300
aatttgagaa ctacta 316

<210> 32235

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32235

agcttgagtt atatcgcaac aaaatgcagg agctgggttag taattcatat cttgctttgt 60
tttaatctta gattgatgtt tattgcttaa ggctttgcat ggttgaaatc aattatttgt 120
aggettgtta ngccacctgc tgggtggttca ctttaaagta aaattgtgtt tgcattaatg 180
aagttattgc atgccaaaga gggttaaaaat aaatttatta atgatctttg acctgtaatt 240

attcacatgt ttggettggc ttggttttac cacatacctt ctaagcgaaa tagctctcga 300
gtatactatt atatacat 318

<210> 32236
<211> 415
<212> DNA
<213> Glycine max
<400> 32236

aatactcacg cttgtgcttg ttttattaaa attcctagga ttatgagctt ctaggtgtgt 60
cctacaatga cttgcgaaac aaaaggtgat caaataacaa gcagagattt aaaaggtact 120
aggttgccct ctagtagcgc ttctttaacg tcttgagttg gacgcctgat gacttgctcg 180
tcacggacct agtactttgc ttacctttgg ctttggactt ggtcgcctat tggttggcca 240
tgtgtcgtag gcaatactct aacctttttg tggatgagct gatgggctct ggaggtggcg 300
acggtgcatt tgttgcctgt tgctggcgat cccaggtctg gtgtgggtgt ttgccttgcg 360
cctgcctggg ggcgaatact tcttgatgaa agctcgatta gtatggaacc tgatg 415

<210> 32237
<211> 245
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32237

tcaagcttct atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttanact 60
tccattaatt ntntgcttta ccttctcttc cattggtgnt tcttcattct ttctccatgt 120
atctcctcac atctcttggt ctacatgttc ttaacatgat tctctagagt ttccaccgat 180
taaacttgct atagaagcta gatttgatct tctatggttc acatttcttg tccttggtct 240
tgaac 245

<210> 32238
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32238

ntgaaaagtg ttgtttttca ccttcttggt aagccaattt gctgggtcag cgagcagcca 60
ctaagcgcaa cactcatggg ctaagcgcg ggaagactct ggaagaagat gagctataca 120
ggttcgctaa gcgcacgct ttatctcact aagcgcatg ttttagttca tccactaagc 180
gagaaaggca tgtgctaagc cgaaattcac taatgtacgc taagcagtc ataagtgtgc 240
taagcgcacg agcacgaaca aggttgatcg aggctgtacc cgaatcaaataaacattaaa 300
atgttgtcac taggaagtga tcctacgctg tttcccaaca agcaatgata aaccaaagt 360
tcataacgga tagtacgaaa tagtaacaaa ttgggggggg gggggggg 407

<210> 32239
<211> 113
<212> DNA
<213> Glycine max

<400> 32239
tcaagcttat gagaacgtgg tttcacgact ggagactgtg gatcatcgtg atactggttc 60
aacttgagca cgtgtgggct cacgaggagc agcctcattg ggtctcacca ttg 113

<210> 32240
<211> 264
<212> DNA
<213> Glycine max

<400> 32240
gaataacgtc ctatcgattt ttttgatcat atttttttt caagatatct tgattattcc 60
atcattattt tgttttattt ttgcttaacc gatgttatag cgtgaatgat cagtcgaaat 120
tcattttatc atttattaag tgacaaaact acttacatat accgtaaaaa gcttgttaaa 180
gcggaagaaa agaaaactga aaataagcga aattaaagt acaatacaca caacacgtag 240
ggaccactaa cggtgtgatc gacg 264

<210> 32241
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32241

taagcttaaa gatccagtct ncatagaagc ctgacaagca agcttccatc aagtggtaat 60
cagagcacia gagcttcaag taggtgctcc ttacacctcc attaataatt tgctttacct 120
tctcttccat tgttggttct tcattttttc tccatgtatc tcctcacatg tcttggtgcta 180
aatgctgcta acatgattct ctagagtttt caccgataaa actcggtata gaagctacat 240
ntgattttct at 252

<210> 32242
<211> 439
<212> DNA
<213> Glycine max
<400> 32242

gaaactcacg cttatatctt tgaaattctt gttctatatg ttcaacctat ttcagcttgt 60
ttgacaaatt atatcaactt tttatatcct aaaatgctga ataaataaat gaagctttgg 120
atggcttaaa tttccatata cacttgctag ctatttcctt cttttgaata atgattcacg 180
ttaggttcta caaagtgaca tttttaatta ggcatattaa gaacttggcc ttgcatatct 240
tgattgcaca gaagagtatc attttactag aattcaagct aatgttcatt cttataaatt 300
ttttgtgaac attatcttta aggtctttat tggataacac aatgagtatt gatgttgact 360
acataattgaa caactgaatt gacacacata ctagcatata ttttaacagca tcaaaacata 420
ttgagtagag gccaacata 439

<210> 32243
<211> 236
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32243

ttaagctttc atcaagtggc tttcacagca taagagcttc aagtacgtgc tccttaaacc 60
tccattgatt tttagttnta ccttctactc cattgatgtt tcttcattct tatccatgta 120
tcttctcgca tgtcttgggc taaatgctgt taacatgatc ctttacaatt ctcaccgatt 180
gatcctgcta tacaagctag acttcattct ctatggttca catctcttgt tcatgt 236

<210> 32244
<211> 441

<212> DNA
<213> Glycine max

<400> 32244

aatactcccg ctttgaaata tccaccacga tatcagggat tataatcctt agacaatata 60
aattgcatat tacagcgtga acatcattgt tttttgtaga agacgtgcac gcgcagatac 120
cttctattaa aaaagagatt ggtcaagcca gaaagtgttc tagataactg catcgaaaca 180
tgcttggttc ctgtcgcaaa aatacaaaaa acgaaaagcg tgagctggag aatgaaaaaa 240
aaaaattgga agaagaacaa tggtggggaa aaggaagaac cagggttgta acggaataat 300
tgaggaagag gttggtgcct tgaagttgaa caggcgtaga gacgatctcc gatgaaagag 360
gacttctacc tcatttgcag ttgcggtgag gcgccgctcg ccattatcga tctttctttc 420
tttttgctcc tgctactctt a 441

<210> 32245
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32245

tctgcttaag gtacttgtgg ctggtgcgag gcattggtgg ctcggtgctt gctctggctg 60
caaagaggaa agggtttgag gcggtagctt tgagaacgat atgagtgcta taagagggga 120
ggggcactat acgggtccca ttcacatata aagcactgct tcggctgatt tggaagctat 180
agatttggac gctgctgcaa acctatgaca gctggctgta tcacggatga tangatcaat 240

<210> 32246
<211> 341
<212> DNA
<213> Glycine max

<400> 32246

agagtttggg ctgttatcca catgctctct ctctagcaag tgctgaagaa aatgtattac 60
ggaagaagga tcccagccga ggcgctgacg taacgactgc ctgctgctat gcgacttatt 120
acacgaagat tattctgcgt tacttcccaa tgatcctacg gtcttacata tgttgaatcc 180
tccacggcta actaccatat accctgcttt tcaattaatt ctatgtaccc cgtgtgcgcc 240

acactccgtc catcgcatgt tatgctcgaa gcgtttgacg cgcataccag ctaatgatgg 300
gcgaatgacg tctatttaag caatttatcg cttaatctac t 341

<210> 32247
<211> 304
<212> DNA
<213> Glycine max

<400> 32247
agcttatatt gatttggctg aacgagggat tgaggtttag taatttaggc tacaacatag 60
aacacaagag catgattgat tagagaaata catttatatg catgagcttg tttgtgagac 120
agaaccaaca tttctaccta ctgctgtcac tctacttac tttgcattct atagctotta 180
gcataaaagt ttagtttaaa ttctatttga aattatcaat catacatgtt ctctcaacaa 240
tgcttcattt ctgaacttaa ttcacgetag cattaattcc ttgcgttcat actcggattc 300
atcc 304

<210> 32248
<211> 378
<212> DNA
<213> Glycine max

<400> 32248
ctaagctcta gtttctcaag gaagtgttct caaagattct tctcaaggaa gttttctcaa 60
gaaagcttct caaggaagct acctagtcta taaatagaag catgtgtaac acttgttgta 120
actttgatga atgagagtct tgtgagacac aactcaaagt tcaacttctc tccctttttc 180
ttccttcgtg cccccctc tctctttctc tccctttttc ttttctcca ttgaagcatc 240
ctctccaagc ttcttatcca agactcatct tgggtgtgaa gctccttctt ccatggctta 300
ttccttagtg gatggctcct cctctcacct attctccttt gtcttgcgct gcctctccaa 360
ggtggaaaat caccattg 378

<210> 32249
<211> 293
<212> DNA
<213> Glycine max

<400> 32249

agcttaaata ctagtgtgtg tgtgtacaat gccccttcat tttatatattt ggacataagc 60
 tatgtccttg ggtgtccgat tagagttggt gctttatacg cagaaatttt agacactatg 120
 ttcaattcta ggcttagact agcctcatca tctacatact ggaaacatgc caatcccgtt 180
 acttttgggt tgaaatctta aaaatatcta agggatatagt aaatacccaa gtgttatattt 240
 tagttgttct ttagtttgaa atctgattac acgtttctgt acacgctctt cac 293

<210> 32250
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 32250
 tcatttaact ggtcatacat gtgcaccage ggggcagttc cccaggcata gccccactc 60
 tgaccagtt cttggaaagc ctctagatgc accacatgaa catgtgttgc actcttgta 120
 gaaaaaagag tgcaaccaac caagtggagg aggttaagcac gggctgctac aatccaccat 180
 cgggcacgac atctactctg atagacatcc cgaagccacg aaagtcgtac atatgccgca 240
 tccgcccgtc cagtctcaga tctagcctcc tcatcgaaga cctcaaacaa ctccatcaac 300
 aagaagaccg catcgccac aagtagaggc tcaaagctgt ggaacgcgct tatgatcgaa 360
 agatggagga gtgatgccac atcgtccagc gtgatcgtca actctctac t 411

<210> 32251
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32251

agcttatgat attgtcttgg aaactataaa aataaattat ttgaatcaaa gatacattat 60
 tttcatgcct atcaaagtgt ttaaatttta aaattaataa atcattattg atataacttt 120
 catgataatt attataaaaa tcacgaaact tattataaat acataattac tataattaaa 180
 taaaaatata aaatacttca cactatcaat atataatcta tttaatcaaa tcanaatcaa 240
 tatata 246

<210> 32252
 <211> 482

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32252

accgctgcct gacacattga ttacatcgac atttcgagan ctacgcaaca caacacctcc 60
cggacgtcct atcaatcgca acaacttcgc cgcttctcac cttctccttg gcgagcgcct 120
cgaggatcct agcgccgatg tacgaaaccg ataccatctc cgatcgatg agcgtcggct 180
tcccggacat cctagagggt cgggacaccg catggcggtc tatcaggacc tgcaccactc 240
tatgttcaat gacttccgct tcttccttga tgcggacgcc gaaggccgtg cggaacgcat 300
gtgagagggc tttggttctg gacttatcct atgataacat ttctctggca acgattactg 360
gaaaaggggt aattaggcac gaggacttgg acatgaccat agagaatgta gacttgtcgg 420
agtcgtgctc tgcattggagg atgacagcgc tgaccaaata ttgccatctt aatcactcga 480
gn 482

<210> 32253
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32253

tcccccaatt ntctataaat aggggggagaa gtaatgtgaa aaatgtgttc agccccttat 60
gcacttctct ctctttcgaa tttgcttggg aaaattgttt ccgtgaagaa aatccaagcc 120
gaggcgcttc cgaaacattt ccgtaacgtt tccgtgagga atttcgcgaa ggtttcgacc 180
gttcttcgac gttcttcatt cgttcttcat cgttcttcga tcttcaactg gtaagtacct 240
cgaaccaagc ttttcgattc attctatgta cccgtggtgg tccacattgt gtttcgtgta 300
tttttattct cgtttcattt actttntata cccccttttg acgtgcttaa gccattttat 360
ttaagtcatt tctcgcttaa cctataaata aaataaattt ccaccgatcg tttgaattgt 420
attatcccgt aac 433

<210> 32254
<211> 344
<212> DNA
<213> Glycine max

<400> 32254

agcttgccaa tggaggaaat gatgtctcaa tcagggaatt gtctttttaa tacaatagca 60
aatcctttga aatttactac cattttatat gaagaggaga ctgagaaacc ttttctacac 120
tactaaaaaa aaggccttct acattagttt taatgaccat tttacatcgg ttatggcgtg 180
tgggtggtaga cccctgtcgt tgaataacaa catcggttga agaactagtc ttagaattgt 240
ggacattcta catcggttct gaaggtagaa ccgatgtaa atgtggacat tctacatcgc 300
ttgaaccttt agaaccgatg tacactgttc acattctaca tcgt 344

<210> 32255

<211> 419

<212> DNA

<213> Glycine max

<400> 32255

acaagtctac caaagtgatg gaacaaatta tgtcaatttc ataacaaaac attcagctat 60
tattatttaa catttcagga caaaagattg tgtggtggtt gtgcatccat tctcaagtct 120
atetaccaag ttatttgatg aaattcaaga tagagttggt agagatcgac ttggcttttt 180
tttcaatcaa ttgtttcttc actatttaga ccacaacaca attctctttt gggtataatg 240
tttcctagtg ttttttattg attgtatatg atttctatag tgtattttat acaggcctta 300
atagtatttt gattcccaat agtataattt ttgtacacag tgtgtacttg agttgcacta 360
cgttggttct tcttaatgca ctgcaatggt tctataaaat gataggttta tagaggaag 419

<210> 32256

<211> 188

<212> DNA

<213> Glycine max

<400> 32256

agcttggatt ttcgagcttt ggtgtgtgga taatcggttc attgttgtct gaactttcaa 60
ggcccttctt atctcttcga ggccataaac caccagccac tcaatgaaga ttcaaactct 120
tgctatacga gcattgcaga agagcaatgg tgcacgagca acccttttct catgaagacc 180
cttctctt 188

<210> 32257
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 32257

ttcataagtg aaatcaggtg tagccatttt cctaagtgtc ctctcacgag atggaggttg 60
 agccgtgttc tcagtatgaa aattagtagt tgaatgctca aaatcagaat attcagaatc 120
 accagcaaca aaatactcat agtgctcaaa atgctcagaa tgcacaaaat gaacaggatg 180
 cacactatgc ctaagtaatc tatgaaaggt tctatctatt tcaagatcaa agggttgtaa 240
 atcacctgga ttgcccctag tcatgcacta tatgcagcaa atcatgtatc tctcaacaag 300
 cacctaacaa gggggtaaaa ctacagctat actcaacaa tatccaaatg agctgaaatt 360
 gtgtgagcca caccctacca tcatgaaaag at 392

<210> 32258
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32258

tttgtctatc aattggaagt caaatgcacc atgcatgaga ttttcgatgc tgggcaggcg 60
 atacgcattc ttacgatgtg ctttattgag gttggtgtag tctgtgcaca tgcgccattn 120
 ttcattggcc ttccttacca agacaacatt ggccaaccaa gtcgagtatt agacttctct 180
 gatgaattgg gcttacggca gattgtctat ctctcccccg ac 222

<210> 32259
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 32259

actccgctta gatttaattt acataaaaaat aattttcttt ttgtcagttc actttggtta 60
 tgattaatta taattggctt gtcacaaagg tttttaaaaa tggttcccat tgtaattgag 120
 attgtaaaat taaagatttt agagttattg tgacttcatt acaactataa ttatgattgc 180
 atcgaccata tttctctgta atttctcacc acatcaaaaag attgtaacca aagtgtgaat 240

tactttaatt tagaactctt gttttcatac ataataattca catataaaaa taataattaa 300
tcttcgtcag agataattaa ttacttatta aaaaatacat atcattatta attatgttaa 360
tcaatattat tcatgcacta tatttaaata tattatactt agccaaaaat agttcatcac 420
atacagata 429

<210> 32260
<211> 269
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32260

ccccctgggat actctgagtg acctgacgca ttttatttgt cagggggctg tttgatatgt 60
aaaatgctaa aactaaagtc ttacttggga tctatacaat tcacccaacg gttgtaaaga 120
gtccagnnggg ctgaaagacg atgattatat aatgcacaat tttgagaata ttgctgtatg 180
actgtgctaa tcctaattgt attgagaata ttgctacatg attctgctga tcttaattga 240
ttctatctcg cgcaattctg attgcatgc 269

<210> 32261
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32261

nccgcggcct gacactttga accttgcant tcgncgaact ttcgaanacn nccccctnnn 60
gagtgttagga gggaattacg actttgntaa agttatcagc ccanacgcag tgctcgtctg 120
gtgaaatgga cctccaaaaa ggtgttcccc gcatagaagc gcttggtata tgcgtgcaat 180
atcaggtcta tggatgatcc atgaagacta tctagaagtg ttcagagcgt ggcacatcaacg 240
actcccaatc gtactacaat gtacataatc ctccggtgag aatgtcactg gaaaaagagt 300
ctaacaacac ttgctgcacc gaacattggc aaaaattgtg tatgatgaat tgtagccgga 360
tgcactacaa ttatgcccc tcgccagctt aaccggcatt gagggcgcca cttgctcaca 420
cttggttatac aacgcgaaaa tcgattgata cttgtactgg gc 462

<210> 32262

<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32262

ncgccgcacc ggatttgatg cantgcanca catttggtt ttgccacacc gccacncgcg 60
gatcctttat agtctacctg aggcaactctc tttatttgat cgcgtgatca atgggtcggg 120
gtaaataaccg tatectacct cctgacataa tacctaaaat catatccttt ctagaaacac 180
taactgctaa tctttgtact tattctgttt ttatccgtac acatttatta acttttcctt 240
ttaatcttct ccattcttct attacatatg atatcgatct catatactac aatcttacgc 300
ggccccattc ctattctata tcttttatac atcccaaggc tcaagcgctt aaacttgatt 360
tacaactgaa ctgatccata ttccacaaca tttttctat cccaacatca aaccaactc 420
tgatgacacg cctactcaac tctccattca tggcaactcca ttttgcac tttctcacc 479

<210> 32263
<211> 398
<212> DNA
<213> Glycine max
<400> 32263

tctacttatg tggcagggcg ggcttccttc accttcttgt ctccaacgtg ttctttgacc 60
attgtttctc cttcccgga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgttttt 180
tcctaaaccc atcccggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
tgcacggac agacaaggct gcccagaagag ggagtagacg gaggaatgc tgaccacctc 300
aaaagactgg aaagcagctt gtgacgattc ttctgcggct tccacataac gcatggagga 360
tgggcagctt accaagatat ctttcttcgc tgacacga 398

<210> 32264
<211> 343
<212> DNA
<213> Glycine max
<400> 32264

tttagcttga gatgacgaag tggtgaaggc cgaaacttcc tgcttttatt gttgaccaca 60

gagtgggtacc tggagatatg tcgcgggggt cacgagacct tggggacgtc acgtgggggtg 120
 ctattgceca aaaccaagct tgaccaatcc cgaccaacc cgggcatagt cggtcagtga 180
 gaacatgtga cgtacctaag caggcgagct cctgccagtc aacagataaa aggaaaacaa 240
 gaccacacag caccgaggct tgtggtggct ggccagctgt gaatcttggtg taatatgtgg 300
 attgtggccc tggtaatcga ttaccaacgg tgggtaatcg ata 343

<210> 32265
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32265

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 aagttattat cgttagaata tgctcagagc ttctgttttc agtttcgagc gtctcgatat 120
 attacaggac tcaatcggac atccgaatta aaaattattg tcgtttgatt ttgctcatag 180
 cgtctgcttt taatttcagg catgtcgata tactgcaaga cacaatcgga gatccgagaa 240
 aaaatttaat gttgtttgaa ttttctcaaa gttccattt tcaatttcga gtgtctcgat 300
 atattacagg acttcacgag acgtccgtgt taaaagttat tgtcatttga atntgctacg 360
 agcttctggt ttcaatttcg agcgtcttga tatattacgg gactcaatca gacatccgag 420
 taaaatgtta ttg 433

<210> 32266
 <211> 249
 <212> DNA
 <213> Glycine max
 <400> 32266

agctttgagc aaattcaaac gacaataact tattactcgg atgtctgatt cagtcccgtg 60
 atatatcgag acgctcgaaa tggaattttg aagctctgag caaattcaaa cgacaatcac 120
 tttttactca gatgtctgat tgagtaccgt aatatgtcga gacgctcaaa attgaatact 180
 gaagctctga gcaaattcaa acgacaataa cttgtcactc agatgtctga ctgagtcccg 240
 taatatatc 249

<210> 32267
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 32267
 tgaagtgagg aagtgtggaa gggtttagact tctactttt attcgttgac catagagtgg 60
 tacctagaga tatgtcgcgg gagtcaggag accttgggga cgtcagggtg ggtgctattg 120
 cccaaaacca agcttgacca atcccgaccc aaccgggca tagtcagtca gtgagaacct 180
 gtgatgtacc taaacaggcg agctcctggc agtcaaccga taaaagaaca aagaccacaa 240
 accaaggagg cttgtgtggt ggctggccag ctatggatct tgagtaatat ttggaatatg 300
 gcctctggta atcgattacc aagggtggtt aatcgattac gaggcttaaa aatgaagaca 360
 cgaagttaag atggcctctg gtaatcgact accaaggatg tgtaatcgat tacc 414

<210> 32268
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32268
 agcttgtaat cgattacaca tatactgtag tcgattacca caggagtttt tcagaacaca 60
 ttctcaacag tcacatcttt ttatctgttt cttacatggc catcaagggg ttatatatat 120
 gtgacttgag acacgaattt aacaagagtt tctcagaaca naaaggtctt atcctcttat 180
 aaagcacaat cgttttattc tcttacaat tccttgcc 218

<210> 32269
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32269
 tcgggtgata tactacgctt ctataacttt ggatgctgcc caagcaaatt acactaccac 60
 agagaaggag ctattagcga tagcttttgc tcttgagaaa tttcgttcat atttgcttgg 120
 tactcgtgtt attgtttata ctgaccatgc agctctgaag tacctgttga agaaggctga 180

atcaaagcct agattgatca ggtggatgct ttggatccaa gagtttgatt tggagatccg 240
 tgatcagagc ggtacacaaa acctcatggc tgaccacctg agtaggattg agcgtgcgcc 300
 tgaggactca cccattcggg atgatttttc agatgaccat ttgtacattc tgtataagat 360
 ctctgattcc ttccccactc cttgggttgc taatattgtg aattatttgg ttgcttn 417

<210> 32270
 <211> 268
 <212> DNA
 <213> Glycine max
 <400> 32270

agctttccac atccgatcat ggaaggacct ggcaactgcc tctattatgc agtaccagta 60
 caataccgac atggettcog atcggaacca gcttcagggt atgactaagc gagagcatga 120
 gtccattaag gaatatgcc aaagatggag agatcttgta gcccaagtcg taccgccaat 180
 gacggagagg gagatgatca caattatggt agatacgtta cacacgttct actatgaaaa 240
 gctatagget acatcccact aactttgc 268

<210> 32271
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32271

attctccctt tttgtcaagc aaattctttt tgacatcatc aaaaccttca tgatttacat 60
 tctccccctt ttttgatgat gaaaatcatt atccaaggct tgatcttttt tacatcatca 120
 caatcttcat gatttacatt ctcccccttt ttgacgatga caaccacttg taggttacga 180
 gcaacaacaa aacgaaacga gaaaaaata taaatcgcat agtcaatttt cttagggaga 240
 aatgtggcct ttgtttgttg tcttcataaa tcacatatcc atttatcttg gtgagaaata 300
 tgaataaact ttgatgcatg ccatgtgttt gaagaaattg ctatcaatgt atcaactntg 360
 ctcttctctg ttttcatagt ctttcatcat gatacccaga cttatgatgt tattctctga 420
 atca 424

<210> 32272
 <211> 172

<212> DNA
<213> Glycine max

<400> 32272

agtttccatt tgtggggcac gcttttcaca ccttccttgc ttggtcgaca gatctgggtca 60
agtctttatc acaacatata cttattgtcc ttactatatg ttccctcttt ttaaattaat 120
tcattcagtg tgcctaaact tacgctatctt acctttgtcc tatgaatagg ta 172

<210> 32273
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32273

aagtgaatg tgtaaccatt atgtataatt gcaagttttt ataaagngat ctaattggaa 60
tcctacgtgt aagcaactaa tctaatacata tcaacacatt atattttcaa cttacaacca 120
tgtgaacaac taatcttatg atcaatacta tcatcaatcc tgtgagtctt tcaatcttat 180
cggcaatgta acaattacga atcaaattat caatactctt cctttaatta ttttattaag 240
agacttcttt tccttttcta aaagcttaga cataattaag tgaaagactc accatggaac 300
acgttgctag ctatagacaa aggaactctg aaactttaat taacaagaca aggttacact 360
acaccaaata ttattatttt aattaaatgt cagttatcaa taataataaa ttaattatca 420
ctcttatc 428

<210> 32274
<211> 143
<212> DNA
<213> Glycine max

<400> 32274

cgacattgta gataaatagc tatgactttc acgctaaaat aactacaatg catgggttggc 60
actcgaatat agaatagact gtacatgcat acgagaagat cgtgcagaat aatgctatag 120
tactacactg gaagtactag agg 143

<210> 32275
<211> 200
<212> DNA

<213> Glycine max

<400> 32275

agcttgtaat ttaagaaaag agcaacacag agtcatgtaa taagcctaaa acaaactata 60
agtataaaat acagcagatg caccctagtg gatgtaccct ccactacaac tgacccaaaa 120
gagatgtacc ctctcttggt ctactcaaa cccaagcaca tgtaccctct acttgtacca 180
caaaggatgt accctccaat 200

<210> 32276

<211> 426

<212> DNA

<213> Glycine max

<400> 32276

acactacaga atacttacgc ttctaccatg gatgattaaa cattggtgtg ttgcttcttt 60
ctttatattg gttaagcatt caaaaattgt gtttgtcttc tgtcttgagt ggtaagcac 120
catgtttagc ttctgtcttt gatggttaag ctttggtttg cttctacctt ttaggtggtt 180
aagtgtgttt gcttctgcta agtggttaag catttgtgtg tggcttctac ttaatggttc 240
aacatattcc aattgtcttt gaatgttttt cagtcatttt caatctgctg ccaatgtgtt 300
tccggcatgt ttcattgtct atttttctac ttgtattgtt catcccaagc tggaagtgtt 360
gactccacct tccatctcgt gagggggagt gtgttgtctc ctaatcagta ctaatcactt 420
tgaagt 426

<210> 32277

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32277

agcttaccat tataggaggc catggataag agcttgaggg aagaacgaga tgaatgaagg 60
gagagggaga gaatagcaca aaattttgtg ctctaaatga gctttgaaat ctgaagttta 120
atattcaaat ggtcaaagtt aaaaaaatg cacacacatg acctctatct atagcctaag 180
tgtcacacaa aattggagag aaattcgaat ttcaattcaa atttcacttg aatttgaaat 240
tgaatttgtg gagacaaact tcggagccaa aatttcacta attatgatta gtgaattnta 300

gttatggttc agcccaactaa tccaagatca atctcaagat tctccattaa gcgtgcttan 360
gtgtcatgac gcatgtaaag catgaacgac atg 393

<210> 32278
<211> 405
<212> DNA
<213> Glycine max

<400> 32278

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gctcaagtct ttgtagccag aactgagggt cattgagcta agcgccactc atggcagcta 120
agctcatatc cttgtggcaa tgtaagcact aagcgattcc tttccgcta agcgcatgct 180
tctctgtact caagattgca tcatttttagc taagccgact tggtgcccgg cttagcgaga 240
gttgtagggt ttttgatctg tagaactcgc taagcgatct tatcggcattg ctaagccaag 300
cctttgtgca aaaaaaatt tgattttgaa tttcaaacat cggctaagcg cgcaaaccg 360
ctaagcgagc ctctttgaga aaccaaacgt ctctctggct cgctt 405

<210> 32279
<211> 163
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32279

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gtatctatag aagacaatga gaacgtacaa tgaatcgagc ttctaacata agttaaatt 120
aacttacgca cttaactctn tctagaagct ctttttattt aat 163

<210> 32280
<211> 422
<212> DNA
<213> Glycine max

<400> 32280

ttgtcaataa taatttaaaa gctagtttat tatgtgttct gcacgagaac taggtcccta 60
acataaaggg catgtgtgtg ttgagtttat gaattcttcc taaagaggct tgccctggatt 120

gaatctcctt tctataggaa gatagcttca ttatgagttt tggcccataa tctgatagtt 180
 cccaataaga gaaatttgga ctagcttcag gatcatccaa caaaatatct ttagtctgaa 240
 aggtcacggt gttagggttg gacgaccatg tgtctcatcc accttagatt ttgatgaata 300
 acaataagaa taaattattg atattctaata gagtctttga gaagtggaca tgattactat 360
 gttaaaggaa tttaacacat taaatatcgt ccacaacaat agagtatgct ttattttaac 420
 ct 422

<210> 32281
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 32281

tcaagctttg catgactact atgttcaact ggcttgcgca cattaaggac agaatcctaa 60
 gtcgtacaag acaataagta ttaagactaa tcaacaagtt aacaaatatt acaagtgtgt 120
 attcaaatga caatatggta gggggattat tatattactt acataagata aagggtttcac 180
 tagatgtatg ggccatccaa tgaatgactt cagggcggtc ct 222

<210> 32282
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 32282

ctcccgctta tggaattata tcaatttatg agggctttta ttcgtttttac tgagagtatc 60
 atcttagagt ggccttcggt tccaatacaa caattgcttt ctctggatgg cattaataaa 120
 atcatttcca gtgctcattt ttctgttatt tctgcatta catattgctc tcaatctttt 180
 ttctccttgg agtttatcac tatcccaatt cccaattaac tttatttcat tgtacaactc 240
 aggttcattg tatgttaaga aactgagata attaccctta tttgtgagtg tactctatta 300
 acactctatg tctacatc atttagctaa gcgcgtgtaa gtgtgtattg accattcaag 360
 gatatttca cgaaatccac ttacttctat cttcactcat atttcacgcc tcac 414

<210> 32283
 <211> 166
 <212> DNA

<213> Glycine max

<400> 32283

atcctctaca gtggagatgc acgcatttta tcttgctgct accatactat gtccgtaga 60
gattatggca catgtttgca ataggtatgt acaataggaa tcgtttgtct agctatgacc 120
cctacacagc tgaggaagat gcctttatat gagcctgatc ctctcc 166

<210> 32284

<211> 429

<212> DNA

<213> Glycine max

<400> 32284

tcgtcctcag atccctcttg ttggactatg ctcaatttat gacagccctc ctaggtttag 60
actaacttaa actaagcttc ctctcagat ccctcttggt ggactagact taacttaa 120
agcttacaaa agtttagact aatttaacct aagctttgtc ctcatatccc tcttggtgga 180
ctagacttag accaaacaac attattgtaa caacaaat 240
agatccctct tgtaagacta agtttcaatt ctgcttcatt caagttctaa ggcaacaata 300
catttcccaa tgctaaagtc acctaaccag gcacacaaat gggatgatcag accaaaagca 360
tatggaattt aagcactgaa agaagcattg aacacaagac acacaatcaa ttagatatca 420
caataatta 429

<210> 32285

<211> 250

<212> DNA

<213> Glycine max

<400> 32285

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tctaatttta tttttgcac aagatattta ttatttttat gcagttatac ttatttttga 120
caattagtgg agtgtttatt gttttattat catccggata aaaaagtaac ttgagagctt 180
ttggacatca attctatgga ctctttacta cacgggtttt gttttttcac aatcaccacc 240
atggaataca 250

<210> 32286

tgacagttga tctttctatg cctttgatct tttcatgtgt ttgtctccca attttagttg 180
 ttggagtagt tgcctaagtt ccataagctc acatgtgact attgccatag aacaaaatcc 240
 aacttttgca ctggatctag taattatggt ttccttattg ctcttccatg atattagggt 300
 tctccagca agaacacagt atccttaagt ggatcttgtg tctaagggtg acctttccca 360
 gtcaacatca gagtaatgaa tgatcttttc attgcctttg tctcatgta ataatccttt 420
 acctagt 427

<210> 32289
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32289

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 ggtctcttac cactaaaatc aaccctaaaac tcaaaggaag cacaataca aggtcccttg 120
 aacaagaagg atcaaacct caagctctcc aatagagggt ttttcttgaa agggaagaag 180
 agagtgaaat aagattgttg tatgtttggt tcagtntga ttccactana nactgagtat 240
 atgactcttc tctctctctc tattcacatt ccatcactct ctaaactcac tcacccatt 300
 cctatcattc aaggtgcatt cctctcaatc cgaacact 338

<210> 32290
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 32290

taatgaaaac accttattgt tattatccta gaattctatg actatgaggc ctccagaaaa 60
 ggggagatta aggagaggaa cttttctgat tatattgctt ccttccattt gagtacattg 120
 tttgctatat ataagttttt ctgctaacac tttgcaaagtg gtgcttttgg gatgtttcct 180
 tggaggaaaa gcaaaaatta caaaaagtga aatgcaaagtc ctaacggcat tgtactcctc 240
 agccgataga ggaatcattg catgcgcact acctcctgca aggtccgcca tgctcactcc 300
 actacttggt gacaaagtcc tttaggtaat aaggcttggt aatttcctt tttggccttc 360
 agcattcttc cttgtttggt tctgcctcat tctctgatta tgctgcatca tttga 415

<210> 32291
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 32291

agctttcata agtgaaatca gatgcaacca tctccctaag agtcctctca caaggtggag 60
 gttgagccat gttctcacta tgaaaaactaa tagccgaatg ctcaaaatta gcatattcag 120
 aatcaccagc aacagaatac tcagaatgct caaaatgcac agaatgatca ggatgcacac 180
 tatgcctaac taaatcacct gaattacccc tagttatgca ctatatgcac caaatactgt 240
 gtttttca 248

<210> 32292
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32292

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 aatattttga ttnttttttag agccattaat agcttggttag aataaaaaat acccggttct 120
 tcaagcttgt tctgtaagag ccagaagtgg cagtggaaaa taatacttgt aacatgttga 180
 agttagtga acttggtggt ttgctcgagg tgcagacttt aatgaatttg ttaccacaac 240
 cgatctaaaa ggacgtcttc atgctttctta agctttaccc aaactgaacc ttttacattg 300
 gttgtcaagc aactgattta aaaagtaaat gttntatata aattgtgttt acaaccgatg 360
 caaaaagtat tgattttctat cacataatta atggatctaa caaaaaaggc acaactgttt 420
 cttt 424

<210> 32293
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32293

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tcaaaacatt atggattagc atacaaccta gacgacgtct ttgcaaggac atgaaccatt 120
 tggttcgcca aaattcacat ttgagttact agttaaacga acgttattat taaaaagtg 180
 aaaccaattt cgaatccata tatattggag cagcactgaa gcaagtcaca nacatgtttg 240
 caatcagtct cgaacgtgac gttgttgctg ccaactcaat cgtcct 286

<210> 32294
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 32294

ctcacatcaa ggattttcttc tattaaggat ttaaactttc ttctttttaa aattgcaaga 60
 tcactcctgc cctttcaagc ttaaaaactt caagggtctgg tgccaagtgt aatacttact 120
 tcttctgttt ttctctttta tttcatgcag agactgttta aatgaatttt atgttatctc 180
 acgagctttg gagctaacag ggttctaaca actgctgtac accaaaaaga aacaaactcc 240
 ctagcaagct ctggcacaaa gcatggacaa atgggggtatt acaacatcaa agaatgacca 300
 ttctattgac agcagcgaca atcagaagtc ctcaacccca tgtttgaaga cgaaaactat 360

<210> 32295
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 32295

agtttttgtt atcggatctg ccacaggcca cgggtgtcttg aaaccaaatt aggctggcat 60
 ccaaccaggc ctaaatagtt cgattgaaca cctgcacgac aggacaggat ctgtggattc 120
 aagtaaaatg accatatctc atctcacttt tcttcattgt ccggatcgac agcacgaaaa 180
 tcgtcagtga accaggccgg gccgaccttt cgactaatga at 222

<210> 32296
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 32296

aactccgctt cctgcggcca ttcttgcgaa ggcaaacatt tggattgtta gtttttacca 60

agaaatgcta cccttaaaac aaagatggca tacaactccc tccaataaat acaaacatca 120
 atgtaaattht agagcaagct tatgcgcata cttcttcacg aacgttcaact tgcacaagac 180
 attcttataa ctaagaaaaa tgcacccata tacaatcaag gcaccttcgt tacctagatt 240
 atttacatgt acttccaagg tgtatthtgt accgacatca cacacatttc ctttgctaaa 300
 ttcacatata tgcatactct aagcacttht gctatcaaaa attgcatacg tgcacatctt 360
 ggtatthtcta atacctatac atacacaaaac ttcatgatga atcttgacta tctacacaat 420
 aaggtgctac atttcatggc cctthttht 447

<210> 32297
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 32297
 agthtthgacct atcccgaccc aaccagggca tagtccgtca gtgagaacct gcgatgtacc 60
 taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaaggag 120
 gctthtggtg gctggccagc tgtgaactct tathgatatg tgggttatgg cctctggtaa 180
 tcgattacca aggttgggta atcgattaca 210

<210> 32298
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 32298
 ttcgctcacg acattatata acacgccctg agtccatcga atttgaacca atthtthaaca 60
 acactthtaag cgctthtctat agagaataac gtataacaca cgtactctat agaggaaggg 120
 agagattgta gagactaact atactagact cgatataaaa tacacgttat ttgagcgatc 180
 tacaaattga tacccttcac tgcatgtgaa ctgaagtaat tgcaatataa tataactgtc 240
 acagaaattg aacatgaaag actaatcaat tgcaacgtca cttgaagcc 289

<210> 32299
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 32299

agctttgaac tattgtaaga cacatTTTTct gcgaccttcg cgattctcga ctccatttca 60
ttgaagcgca tateccacttg taattccaaa gtgtcaaccc tctcaccac aaaggtctca 120
agaccatcaa acctgtccac aatcttcgaa agaagagatg aatattccac atgatgccct 180
tctttaccaa cattctgacc acccttcttc acccaagacc catcatgccc tttctgataa 240
ccaaaagacg ctatgactcg aacgcctata acga 274

<210> 32300

<211> 429

<212> DNA

<213> Glycine max

<400> 32300

actcgccac ttacatcaac cagtatatta gcacacttga tatctcttta aaattgaata 60
attgaattga aacgctcaga atgtagcaaa tcaatgcaaa ttcaagatat ttaagaagtt 120
aatttccaag cactgcatcc aactttcatc ttttgcaatg attgaaagtc aagcattttt 180
cacaatccga ataaaatctg tcaaagcaaa actcatcttc cggagcggag aatcatactc 240
agtatctggt ttctcaaaaa ttttctcaat ataaatatat gtgcaaatag agctataaca 300
tatctcttaa tataagaaca gaaatactat aactattggt aacacatggc tagaatgcta 360
acttgttaaa gaaacttcca ggacttcagt agcaaaatat tcttttattt ttcaattcat 420
aatgcatat 429

<210> 32301

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32301

agcttatgat ataagaagtt gggtttcttg attatgaggg aacaatatat tgcatgccct 60
ttacaagtta gatggtggct ttgaattaat attaatggac atcactagtg ggtttttcat 120
ggtagttttt gatttggata ctgatcgagt attcgaatgc gcatgtgttc ttcatcatt 180
acctaactga ttgtccttga acactagatt tctcaccaac agaggcggca tggatagaac 240

cctagcctaa ctanctangt ttggtttcag gccttacgat gatataattac gatgagtgca 300
 ctcttatata tccaatattg ctttat 326

<210> 32302
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 32302

tgagatccct acagtgcttc tcatgagtgc tcacatcaga cagcaccgag aactgcctct 60
 ggttgacact ctgcacacg tacattttcg ggcagtggct tatcttgtaa tgggtcttgg 120
 cactcatcat tgacttcagt ggctgcctt tggcatgcct ctggctccac ctacacaect 180
 cttgaagaca cgaatacatc gttggcttca cactcatcta acactctata cctctgctga 240
 tcttacatgc gtgactcata tcagca 266

<210> 32303
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32303

cggaaacaag gcaagaaagt tagacacttg aagcttctat aagccaatat gcacaatcat 60
 attgtgccta catgtatcga attaattctc cttagcgaat gaataactgt ttagtaaata 120
 taattgatac taaataaaaa taaaaatgat acttggatta acatgtcgtc cacttggaag 180
 tatatcacat ttgattgcac gcttgcggta aaagggaata caaggaaaaa acaaggattt 240
 cacaacctaa aacttctgaa attaacacag aaaaatgcat tttgcatcat tttctagtag 300
 ctatccacgt ttggcactta aaggaacatg ctttcatcat ggggagtcac cctaaacact 360
 accttgaaca ttttnccaag gattgacctc tgtctattct attctct 407

<210> 32304
 <211> 107
 <212> DNA
 <213> Glycine max

<400> 32304

ccttcgagcc tattttccac cttctttgtt tcaaagctca ttacgagcct taaccgaaaa 60

accatgatgc cagcttacc ttaacgaatg ttggagcttt ggaattg

107

<210> 32305

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32305

atccaccatc ctagecgttac aatattttatt aatcatataa tngnaagcat aagcattagg 60

cacaattcca cttggcttca tattctcata catttaaaac cttcccttt gaaggccttg 120

cttgaaaaag cgcgtcatta acacaccaca actatggtgg ttggcaacca aaccaaacct 180

atccatcgtg caaaacaact tctttgccag cctaacatct gcactcttgc aacaccata 240

aatcaacgta gtgtatataa caacattcag agagaaacca aactcttnca acatggccaa 300

aagccgaaac cctttcatca agtcaccagc ttcacaacga cccttgatca taatcccaaa 360

actgtaggca tccataacaa ctttacgctt gaattcatta tatacccacc aagctatatt 420

gaaacaattt 430

<210> 32306

<211> 322

<212> DNA

<213> Glycine max

<400> 32306

tctgttttga ctgaaatcac gcaccacaat ttttttttt taataaaaag ttcacttttt 60

tagcgtaaag gttgaagatt ctttgtaaac aattttcatt aaaactcatg tgatatgtgt 120

gtgattcggc tctatacata aattaaatgt cattaatgag tacggggaag ataatgtaac 180

gttttagtaaa taattaggag aatatttgta ggttctaaaa atagaaaaaa atatgtgtca 240

ttttctcaaa tttttgagag aaatccatat cattcactca tataaacatt gcatacaaat 300

atatattgaa tataacaata tc 322

<210> 32307

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 32307

atactcacgc ttgccttgcc ccttgatata tttgagggtt tcatggtttc tatgaatgac 60
 atattccttg ggataaaggt agtgttgcc tgtattcaaa gcccgacta aggcatacaa 120
 ctgcttatca taagttgaat agttaagggt gggaccactt aacttttcac taaaataagc 180
 aattggatgg ctttcttgca tcaacacagc cccaatccca acatttgaag catcacactc 240
 aatttcaaaa gatttttgaa agattggcaa cgcaagtatg ggggcattac ttagcttttg 300
 cttaagaaca ttgaaagctt cttattgttt gtctcgccat atgagaccaa cattcttggt 360
 gagcatttca ttgagagggt cgtgcaatgt gctgaaatcc ttcaaggatc ggctataana 420
 acttg 425

<210> 32308
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 32308
 agtttcggtt ttcaatttct agcgtctcga ggtattacgg gactgaatca gacatccgag 60
 taaaacgcta ttgtcgtttg aaaatcctca gagctttgga acttaatctc gagcgtctcg 120
 atatattacc ggtctcaatc agacatccca gtaaaaagct attgccgtct gaattagctc 180
 tgaggttcag aattccaatt tcagcgtctc actcattacg ggactcaata agacattcga 240
 ccaaaa 246

<210> 32309
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 32309
 agctttatcc gcagatccct cttgtaagac taggcctaga ctaaacaaca ttattgtaac 60
 aacataatta aaaccaaacc ttaatccgca gatccctctt gtaagattaa gtttcgatcc 120
 tgcttcaatc aagttctaag gcaacaatac atttccaat gctaaagtca cctaactatg 180
 cacacaaatg gattattaga ccaaagcat acaaacatta agcattgaat agggaaaaca 240
 tcatcaatta catattaggt atttacatca gctgttcatt agaaatcccc aact 294

<210> 32310
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 32310

tccgctttat aagtgcgggt ctgggagact aaggccaagt ggtctcgatg tgtgaagatg 60
 atgttccaag acctctggat ttggtccgac catgccctcc tgatttccag ctgggaaatt 120
 ggcgggtgga ggaacgcccc ggcatttaca caacaagcat aatatccgat gacgagtccc 180
 ccgaaggtag taatacctgt gaccctgtcta tcaatttcga gcacgaaatg agccaaacgg 240
 aagatgaacg agatgagggg gtgggacttc cttcggaact agaaaggatc gttgcccatg 300
 acgatcaaga actggggcgt catcaagaag aaacagagca tagagacttg agaattggca 360
 gtggaaagag ggaagtaaag atatgtgcag gcattaccgc acctatccgt gacgaattaa 420

<210> 32311
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 32311

agctttgttg agacaacttc cttgagaagc ttgtttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctaataact aagctcacct gcttgagaag cttacttgag 120
 aagatctcta cagaagctag aacttagcta cacacacctc tctaatactg aagctcacct 180
 acttgagata agaagctaga gcttagctac cacacccta taaaaactac gctcaccccc 240

<210> 32312
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 32312

tgaatattat gtgcttatat ctattccac cactattggt ggtctctagt agtatcttgg 60
 caccaaata tcatgttgga tgatatttca acttataagt tagactctga tatcaatgat 120
 tcatatttgt cactattgca ttgaacattg atattgttct taccactaat tgagtagata 180
 tgttacttga ctatattcat acttagattt ctttacagca agaaatcatg atcttagata 240

attgttggtt gtactactgcg acttccgcta tcttttgtat tcactactac atgatacatg 300
 agtaaatac ttcctgctgt gagtgaaaat aaacattgta gttaaattca cattacttta 360
 tctca 365

<210> 32313
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 32313

ctctttatca cgatttgctt acatgcaagc taggaaatca acaccttcat ctactctctt 60
 catcattcct cttcatttta tttctgagat acaagcttta ggtaaggggg ctctttcatg 120
 tggatcatggc aatagacaat ggaatcctca aatgtcacct tatatatctg cacagtgtaa 180
 gggcattcat attacaaatc ttattacaac tgctccggaa aacatgggtct gtctggggag 240
 ctcacccatg tattctgcat atctttctca atttactgct gaaaatacaa tttcatgttg 300
 aattggatga ac 312

<210> 32314
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 32314

tactggtcta actatttcgt gttctgctac aaggtgcaca acaagtgcac aatcccacgt 60
 actggcctca tgagaatatg ctatctgttg cacgtctctg actgtttact cgatgaatca 120
 gattgtgttt gatgacctga tagcagctgt agaagaacca cgagcagtat gttctgctga 180
 cttattaact tttgatattg tatcttctgt tgtccccacc agggctaagt ctctggctta 240
 ctattgtgct cttctgcat accctac 267

<210> 32315
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 32315

agcttgtaac acctaacaga cgatggcaga cgatcatatc tagaagttga agacaatatg 60

catccccatat actagcacac gaatggattg cagaagagtt cacagattat aacacaggaa 120
tactgcc 127

<210> 32316
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32316

tatctgacaa agatgcgtat caacagtttt tgcattctct tgattatgtc aagattcana 60
ataatgtaag ttctatttct ttactctaata ttctagtgat ttattacctt ggaactggta 120
ttttttttttt ggaaggcgaa gataatatat tatatatgaa accaagtacc agaggtacta 180
cataatacag aaaaggctct gataatcagg agatacagca cctccacag atgaaaaccc 240
tactaacaga agctttaact aaaagctata gacatatgtg aagaccaact ataataagga 300
atctggaaat tcctttccca acccctcagc cagggtccata agagaaacag agtgctatct 360
gtcagtctag tgatatcaaa cgttngattc tggaaaatta tatcatttct gagcctccaa 420
attg 424

<210> 32317
<211> 268
<212> DNA
<213> Glycine max

<400> 32317

agcttgaatt ttttcctaaa tatatttatt gtcacattta aaatatcatt taaaatctgt 60
tttgattat atatcaaaat gttatgatcc aaccttaacc ataatacatga ctaacataag 120
ctatgtttta taagacattt tagttaattc tttattttta ttagttgaaa aactcaattg 180
ttcaataaac aagttttttt aataccttct aatctttgat atcttttcta attctacatt 240
ttctaagtac tctaacatct aactttac 268

<210> 32318
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32318

acccaacccg ggcatagtca gtcagtgaga acctgtgatg tacctaataca ggcaagctcc 60
tggcagtc aa cgcataaaag aacaaagacc acaaagcagg gaggcttgtg tgggtggctgg 120
ccagcaatga gtcttgagtg agatttggga tatggcttct ggtaatcgat taccaagggt 180
aggtaattga ttacaaggct taaaagtga gacaggaagc taagatgggc tctggtaatc 240
gattaccaag ggagtgtaat cggttaccag gcttgaaaat gagatcacga agctaggagg 300
gcttctggta atcgattacc aaggggtgta atcgattacc aggcttanaa atgggactgg 360
aatgttgaac gggcctctgg tgatcgatta ccaggctgtg tgatcgatta cacagaggaa 420
t 421

<210> 32319
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32319

agcttgtatg attatggggg acctatcaca tgttggtacta ggtggcggtc gggatgatgg 60
gcacaacaag tttttccaca tccacaaagc gtgcataaac ctaccatccc ctgttgccca 120
cctccaactg agctcagta ctcccacgta gcccatatcc ttgtttctct caacaccggg 180
tccccatcaa tcttcccaag cttccacaac atccaagtaa tacaacattt aaacagcaca 240
agctatcaca gcaaaattct tctgcacttg tgcaaaattc tgctgcacaa tttcacagca 300
aaaatctgca caaagtgcag atttcgaaaa ccacacttcc nctcatcaaa tcttgcccaa 360
atcaaatcct acaagtccca aatcatgtat caatcat 397

<210> 32320
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32320

cttctgtgcg aggcattttc tgtaccagca gcagagaaat atgagtgttt ataaaaaacg 60
tgcttctggg ggtgttggtg tgccccagac aagaggaatg aaacaaagaa aaaaacctga 120

aggtgatttg gaaaatgggg ttgtgggtgc tggagttggt ggcgccgatg gtgatggcgc 180
cgatgggtgat cacactgggtg gtcccatgt tgttgaggaa tttgctgggc tttttggtga 240
agggcatgat ggtgggggtga atcttggctt gggttgtgaa agttttgacc tttgggggtga 300
agtagaggggt cagcatgttc atatgggtgg ctttggggga ggatgtggga aactgggtca 360
ngttgaaggg caggttctag gtcagccatg gagcaatgca aatgctggtg 410

<210> 32321
<211> 381
<212> DNA
<213> Glycine max
<400> 32321

agctttgttc tttttataaa atgagaagct ctggactcat tacgttatct aaaaatcttg 60
gggtggatcc aagtgtccg atcatccatt tgcatactca tgtttggcgg catactcacc 120
gttgttcatt tctttacgaa ttccatcata actaagaaaa caccaaggca cccctataac 180
actcgatcca gaaaaatgga taatgaagag ggcgtgcacg aacagatgaa ggccgatcta 240
tcggccttaa aagatcaa atggcttccatc tcggagggtca tgttcaaact ccacaaaacc 300
atatatgata aagccaccgc aaccgcctca gtacagctag ggaagcggag ccgtgctgaa 360
ccgccttaa tccgggcta a 381

<210> 32322
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32322

cttgaacata cgaccttgta aaaattaatg ggaattgggt tctacgatgt ttgagcttaa 60
atttttactt ctttttctat aaatctggaa aacaattata aaaaagaacc aagtgattta 120
gataaaagaa aaaaatatga aaaatcacac aagttggcag gaaaatcagt gtctaggaaa 180
aaaaagtga agggaagtgt gaaaacaagt gccaaaacta gaggtttctt gagtcttatt 240
tttcttttag ttttttact ctactctaga gccatttttag gtttcccttt gagtccctagc 300
ttgcttttat gtgcttttca ttgctttaat tgttgaataa tccttgaaaa tgtcttgtaa 360

aaactttatt ggtttagctc tcatttcatt ctttntggnc tttggntatt gcttgtctct 420
 ttgttttctt ggttgtgag 439

<210> 32323
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32323

agcttcttct tatagtccac ctttgcttga ccttctttat gcttaaaaat agaaacatta 60
 cgcaaaagat caagaggagt tagtggttga aaaccataaa caacttcaa aggagaacaa 120
 ttagtggtgc tatgaacaac tctattgtaa gcaaattcaa catggggtaa acaagctctc 180
 caagttttta agttattcct canaactgtc ctaagcacag ttcccaaagt cctattaaca 240
 accttccgtt gcccatcggt ttgtgggtga c 271

<210> 32324
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32324

gtggtcttcg gcatcacatt ttaacttgat ccacggcga taagtaccgt ggcgacgaca 60
 tgggtccatac atctcaccga cacatgtaga gccttggtgt gtcctctccc ctcaacggga 120
 atctcttctt tcgcaaacac gatataattg ttggcgggta tatgattaac gatgccttcg 180
 aaaccctcca ctgagatata atgtgctaca tgggcatcga taaggacctt tatcaacagc 240
 gcacgatgag gtcgggagtt tatgagcaga tcaagcatag agatccttgt tggagtttta 300
 ttcaattgct cgactacctt aaactcgcta tgctggatga ggcagaggaa ctcatgggcc 360
 tcttncaaag tcacggtctt tccttgaaga cctctttctt ttcaag 406

<210> 32325
 <211> 200
 <212> DNA
 <213> Glycine max

<400> 32325

ttaagtttgt ttgaaggaca ggttctcatt atacaaagct tgcaggaact acttcactcc 60
agaccaatta tgggtgtaga gcagttcggt gagaacgtgg cctgcccagg agcccgaact 120
tgtttcgtgg cggataatga aagttctaca gcccaggcaa ctcagaaaca tgagccagaa 180
ccagaaaatg atcactcatc 200

<210> 32326
<211> 427
<212> DNA
<213> Glycine max

<400> 32326

tgcttctaca ttctctcttg aagagaagga tattactttt gaagtccata gagaaactct 60
taatggattt gcaagtgttt gcccaagagt ttcttttgag agagcatttg gcaatgaatt 120
tctctggaat atctctctca tttcttttg agaggataat acattttgaa caagcaaaac 180
tctctcttta aaattcgtgc ccaagttacc tatttgtagg cctttgatgg ccattcacia 240
attcaatcaa aagatatgac tgttggcaga tttctgaaa actctccatt ggtaatcgat 300
tacacagtta taatttgaag ggttatgaat tttgaatttg aatttcacaa gttcctttgc 360
tggtaatcga ttacaaacat atggtaatca attacatgtt caaaattcaa aattgaaaac 420
ccttttc 427

<210> 32327
<211> 251
<212> DNA
<213> Glycine max

<400> 32327

agcttgttta caaaaaccta tttggtttcg attagcttat gagaagaaag tttagggact 60
aatcccata cttcattcct tttaaactga ttttaattctt catgcaaagc caacaaccaa 120
tgctcatcat gtagtgcttc acatcttcat cttccacagc attttcttga acaagagagt 180
tagttccatc acaacaaca tgtacatatt cttccacaca taatgttctt ctattaaaca 240
ctctatatgc c 251

<210> 32328
<211> 426
<212> DNA

<213> Glycine max

<400> 32328

ggaaagagga aagcataatc atttcttata agacatttaa aaaagagaca agaggtagag 60
tttcaacgga tgagacgaaa accagcttaa tttacaatac gattttcagt attttataat 120
ttgtagcagt accacctatt aggggttggg tgtgggcata ttctcataga cagaaaatgg 180
gtgacatacg catgatatga taagcttaca ttacgcaagt aatttttttt tatatatatt 240
aattatagta tttcgtaaaa tgcgctgtgc ttttcttttt ataactttta gggtagcгаа 300
atacctttgt ttaagtgcac actagctata ccaaaaaatt acgatagtaa aatgtgtgtt 360
ttattaaaaa gtacgatagt aaaatttatt aacggatata tgagcatagt cttttattta 420
ataaaa 426

<210> 32329

<211> 273

<212> DNA

<213> Glycine max

<400> 32329

ttctgtttat actaaatata tatgattgtt ttatatatag attaagttta aaatacatta 60
gacttataag atgggtttca aaagtattaa tagaatgaaa ttttaattag catgttacgt 120
caagttaatt acggtattga aaacaaaaaa aatgtaaaca ttcccatagt gcgcaagtta 180
attacggcgg ccactttatt tttaactttg catgttggtt ccatatataa tgaaacacat 240
taatttgaaa atgtgcatgg aggagagttg ttt 273

<210> 32330

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32330

tccttatnt gtaaaaacac ttcctttgaa aaatttgttc ttgcccaact cttttcttcc 60
attgttcttc cacttcttg cttttggatg ctattcatgg agatgggtag ccaaaccctc 120
cgttgttggg gttagatgta tccgaaccat atgctctcat gtattttttt gaaatagtgt 180
tatatatcc tcttattctt caatgttagc tttttacttc tatgcttcat gcttgttatg 240

attcggccac tcatagcttg attccttgat gagtttgcta ttggaaaata ctttctttat 300
 cttgaattgt ggtaaaaggc tcattaaacc ttggagctag gaataagggtg agaggtaatg 360
 gttatctttg ggtcattgag cttaaaccac gttcctttgt taaatgttca agggattgac 420
 atttaatt 427

<210> 32331
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 32331

agcttaatac ccaaaatgac atctatagga ccaaggctct ttatatcaaa attactagac 60
 aagaaagact tcacatcatt tatgaaatgt atattactat caaatatcat tatgtcatct 120
 gcatacaaac ataaaatgac acatccaata tcatcaaatt gtttcacata cacacattta 180
 caactattat tgatttgaaa accatatgaa agaacaactt gatcaaactt ttcattgtcat 240
 tgctttggag cttgtttcac accacataaa aatttacaaa gtttgtaaac tctcttttct 300
 ttaccggatt ctacaaaacc ttacgttagc tcatactaaa ttcttct 347

<210> 32332
 <211> 159
 <212> DNA
 <213> Glycine max

<400> 32332

tcaagctttt ggtacaaaga ttaagaacaa gttcaaagag atttatggct tgtaaaagat 60
 tgattgaata agtgttcaag atacttgaa tgcaaaacaa agccttgctt ttatagactc 120
 ttcattgtctg gccaaagacaa ccattagaag agttatgac 159

<210> 32333
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32333

tcagacaaaa gcattctana atctatgtat ctaaaattcc tcaatttagt ggatttcaag 60

<223> unsure at all n locations
<400> 32336

agcttcgcac atgataatgg agacacatga acagcgctag gcaatgacat tcatgggtgct 60
ccgaacaaag gcggagtatg gaggattggc ttgaggggtcc acacttaggc aattatgaaa 120
ctcagctcca aactcgaaag tggaggacac acgaacaacc ctaagcaaga acattcatgt 180
ggctccgaac aaggacgaga atggaggatt gccttgaggg tcctctctta tgcaatcatg 240
aaacacagct ncataactcaa aagtggagga cacacgaaca gccctaagca agaacattca 300
tgt 303

<210> 32337
<211> 437
<212> DNA
<213> Glycine max

<400> 32337
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tatgatcttt caagcaacag atacaatcca ggttggagga atcatccaaa tctgagatgg 120
acaagtcctc cataacaata acagcatgtc cctcccttcc agaatgctgc tggtcctagc 180
aagccatatg ttctctctcc aatgcagcaa caacaaagac aacaagcaac tgaggccctt 240
ccttaacctt ccttagaaga gttagtggg caaatgtcca tccagaatat gaaatttcag 300
caacagacaa gagcctccat tcagagtctg acaaatcaga tggggcagat ggctactcag 360
ttaaaccaag cttagtccca aaattctgac aaactgcctt cacaaactat gcagaatctg 420
aaaaatgtga gtgtcat 437

<210> 32338
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32338

cttgaaggcg ttagctgat gtgccatcat cttcttctat tttctaaatt ctttttgcac 60
cattntaatt attgattggc cttaattgtc aattaattac gcagttttat tatttgggcc 120
cattcagcta atttgatggt tttaatctaa tttcacgaat taatgaagca ttgggcttga 180

atctagaatt gggcttggac ttgaagaggg cagtctaatt taaaattaga tcttatctta 240
tctagatatt atttagattt gatctcatct agatattatt tcatctagat cttatcttat 300
cttatcttat ctagatttga tttgatttta cttatgggct tggattttaa acatatttgt 360
aagctttggg gctgaaaaaa actatataac agcaccaagg ttctagttta ggggactccc 420
tctctccctc gcggg 435

<210> 32339
<211> 272
<212> DNA
<213> Glycine max

<400> 32339

agcttccatt tagtggtaat tagagcacia gagcttgaag taggtgctcc ttaaaccctcc 60
attaattttt tgctttacct tctcttccat tgttgcttct tcattttttc tccatgtatc 120
tcctcacatg tcttgtgcta aatgttggtt acatgagctt ttatagtttc caccgattaa 180
acttgctata gaagctagat ttgattttct atggctcaca tttcttggtc tttgtcttga 240
accatgactt gtgctgagtc taggttcctt tg 272

<210> 32340
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32340

ttaacatana acttcatttc attcatacct caccttattc atgtgcttga gtgcattatt 60
catgagagaa attacagggtg ccaaaagggg gagacataaa aacaaaaaag gtattgtgaa 120
agggagagat ggagataatt caatgtgaga aagaagtggg gagacatgga ttagttttatt 180
ttctttttta ggtcttttct aaaagttaat ttctttttta tggatgcgat gacatgtcaa 240
tatagataaa ttccatttga tgtttatgta aatagatttt ataagtcaa tgcataatata 300
ttatgagtta atggctcatgc acaagcataa agtaaattta tcttatcatc taattacaaa 360
ttattgttta gatgattcctt aagataatta ttgtaaaagt caataaactt atcgtacatg 420
atcatttgta attaaataac 440

<210> 32341
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 32341

agcttgaata tttaacaatat cttgctcgct gtctcaacga atgctcctgt tctctccacg 60
 gaagcaacta taacgtggca atggtataaa ttgcttaagg gagaaaatct tattggaaaa 120
 catttcaacc atcctccgga tgatccatat gggtcttgggt atggaaactt tacgggtgccc 180
 cttgaaaacc cattcccagc caaaactaaa ccagattcct taaaaatgag ttctaaaggc 240
 tcattctgatg atgacattgc tgggtctgag gatgcgagtc cgacaagtca cgacagatac 300
 acaacttcaa tgaatcgctc tgctggaaat gatac 334

<210> 32342
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 32342

gctactatgg tcaaaggaaa aaaatcaacg aaatcaaaac atttgttgtg gcattgtgcc 60
 tgctgcaatt taagggagat gagaaatgag gcttatgatg ggcaaaaatg acttcaacat 120
 tctaagatta tctgccttgg gcttgatgta cgataagcca tagatagtga tctgccttgt 180
 tttcttgggc ttgatgttag cctattttaa aaatgaataa gctgcaaaac caattggaga 240
 aagtcaagtc tcttactcaa gatcttgaag aagggttga gtttctatct aagcgtgtga 300
 taatgattgg acttgccttt cttattccct taaaacacta acaagtaccc ttaaataact 360
 acactgcccc tcaaatacca acattatact aactactgtt cagcttccca aaatttatat 420

<210> 32343
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 32343

agctttttatt attgacatca ggggtgaagc taattaaatt ctatttggtt gtagaggggt 60
 atatggctac acctttgagc atgatgtatt ttttttttta acttggtgtt attttttttag 120

ttttactatg ttagcagttt ttgttgttct tgattgatgc ccctttgtca ccttatgaat 180
tcttgtatta taattgtcac aacctacctc acgacaggat ggccaagacc aaatagataa 240
gccaaagcgt tcgtcttcaa gggagaaaat gagcggagtc gccaccaacg tttattcgac 300
aacaaaatgt tac 313

<210> 32344
<211> 427
<212> DNA
<213> Glycine max

<400> 32344

tctgatcacc tggagcacct ccaaatcgca ttacatactc ttgcttaca tagtttcggt 60
ttaaaactgt ctaaatgctc attcgcgacc cagcaggtagg attacttggg tcatctgggc 120
tctgtgaagg gagtagaacg agtaccggaa aagggtcatag ctgtgcaaca atggccgact 180
cccaattcca ctctgcctt aaggggattc ttaggcttat ccggattcta tcggcggttc 240
attaggggat acgccaccct cgcggctccc ctcacagctc tcttggccaa ggacaaatc 300
aattggaacc ctgaggetga tcgtgccttt catcttctca aagatgctct gtgtcaagct 360
cccgtgctgc gattacctga ctttaattcc gaatttgtga ttgagactga tgccctcgga 420
attggtgta 427

<210> 32345
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32345

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aaccaattgc ttaatgttgt gaactgttaa aagcgttatc aatggcggca cataaaagct 120
ccatgacaca accacttgga gcattttctt tctcctatct ttactctatc gcgtagntga 180
ttaagtatta agttccatga ca 202

<210> 32346
<211> 438
<212> DNA
<213> Glycine max

<400> 32351

tgacattccc ataatgtatc gcctaacatt ccacttgtga tctgagtgat ccactttctc 60
ctaaagggttg ctatattcat aggtactaca atctgtacga gaacagggct tctcaatcct 120
tgatgccagg cctacatcca tgactcaag acccatttgc atgtttctctc tccagtacct 180
tgaacttoga ccattaacaa ctggaaccga atctacatta tcatatgcag aagccacccg 240
cgaccaacac ccccccaaa catacacaaa cctccatacc attcatcaat gcctctacat 300
aatgatatat ctcatgccac ggatgtcact gcaccaetta tatgacgtct tcggacaggg 360
acccc 365

<210> 32352

<211> 440

<212> DNA

<213> Glycine max

<400> 32352

aacactcccg cttgtgagtg acactaatta gaagttgaga taagcgcatt tgagtttgat 60
tattggcaat cggaatctgg cattagttgc tatctaagtt agagaatctc atacgaaatc 120
cataaatagg acccattatc tgctttttaa cttgggtagg tgggtcttaga tggagacgca 180
cttcttttaga taccttatcc tcaatcccta tgaagcaatg ggtttgaata agaagtatat 240
ggaggcgaat tcctttcaaa catagatcag ggctaagtat atataattta aagaacacta 300
ctaggctatt gaatgtcaaa cccacgtcat gattaactcc tacatgattg atgttttcgg 360
ccgcctgaat agttgaatta taacaaatat cctgtaactt tgacatattg ttatatatac 420
atgcaactcc tttctcccaa 440

<210> 32353

<211> 251

<212> DNA

<213> Glycine max

<400> 32353

tctatcttgt tacaactagt attctttgcc ctaccaagcc actgttgact ctaacatata 60
tcacaagacc tgttgatctg attgcaaaat gactaacact ctatcatatt acagacacat 120
aaacaatttc aacacttact cttttctctc aaaatgagca cagtgtttcg agagactata 180

tgaactttac aagaatccac atagagagct ttttacgaac agaatttgaa taatgagcgc 240
tccaattcat a 251

<210> 32354
<211> 417
<212> DNA
<213> Glycine max

<400> 32354

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tggtgcctcc tctcacctct tctcatttgt cttccgctgc atctccatgg tggaaaatca 120
ccattatagg acctcattga agctgaaaga tccagcctcc atagaagccc cacaagcaag 180
cttccatcac aacctttcca tcctatgtag agatcaatga tattgaataa cccaacaaaa 240
atattagatg gcttacagag atgcaaaaca taacatatat ttgacatatg atcttataac 300
atgctatgat tttggatttt tactacctaa cacatcttga atcttgtcac ctaagtacat 360
caactaaagt gcttgatatac ttttataaag taaaccatcg atacataaat ataatat 417

<210> 32355
<211> 207
<212> DNA
<213> Glycine max

<400> 32355

agcttaagag atagtttagat caaagagcac ttagagaaac aatttgtgag acctagtgtgta 60
gcggtgtcacc ctgcgagtg tgggtgttgt tagtcaagaa gaaggatgag accataaagc 120
tatgtgtaga ctatcgtcag ctaaacaagg tggcgattaa caataggcac cctctgccta 180
gtatagatga cctgatggac tacttag 207

<210> 32356
<211> 419
<212> DNA
<213> Glycine max

<400> 32356

ttatatgatt atgatcatgt aacttatcaa agaaacctac cttgatgcat gcatttttgt 60
tctgaaacga aactaaagaa acaaaggaaa gggagaaaat agaaagctaa gttctaagat 120

acaaaatgcc caaggcattt gtcggggaat tcgaggggag taaacaccag acaaatttac 180
accaatgagc catgagcaac cacataaggg aatttaacac cacactttaa cccaaaacct 240
taaggctcaa gtttatgggt cttctcctta cttatatggg gctcaacttt tcaacttcca 300
tcctatgtgt gctcaacttt tatgggagca aaagaagaag ctccatgctt tgtcatccag 360
tcagcacagt caatggggat tcctcttcat aacttttgag aagataaaaa gaaactctg 419

<210> 32357
<211> 183
<212> DNA
<213> Glycine max

<400> 32357

ctgcttcgta accttcgtgt ccatatttac atctctgcta ttctctagtt gcgtgactca 60
tattatatgg gtactaccog tagcatctct ttacttttga tgccatgat ctattgcaca 120
tatcgctggg acgtctatgt ccgatatgat taaccgttgc ccttcatggg atgggagctt 180
gac 183

<210> 32358
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32358

tcagctntgt cccaaggct tcatgtagac tcgtccttaa tcgcgaagtg aacctcggat 60
cctgtcaga tacaatacta gaaggaattt catgcaacct tactacttcc ttgatgtaca 120
actccacgag tctctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
tgagtcgac tactatgacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
atacaaaatc catagatatg ctctcccatt tccattccgg aatctccaat ggcttcaatt 300
ctcccgatgg tcgttggtgc tcaaccttag ccttttgaca ggtcaaacat cttgctacat 360
attoggctac atctttcttc atgccatgcc accaaaaact tctcttcaaa tcttggtaca 420

<210> 32359
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32359

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atagcattga ccatacatga tactagctag agagaataga aactattgat aatagtacac 120
tccataggta gtaaaccaca aaaaacttta gtggcttgca taactttagt taaatttagc 180
ggctnttaat gcttatccta tatatattat aatgacataa gtatttctaa cttgttacct 240
cctaagagat tccctttgga gtccttactg gtnntgtaat cttttaactg aaacattgca 300
ttttggccat gacgttgata caccgttgac tattttttat aagctaacat t 351

<210> 32360
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32360

tctccccaat tntctataaa tagggggaga agtgatgtta taatgattca gccctcctgg 60
taattcagaa tcaacttaaaa ttagtgagaa aaattagttc cgtgaagaaa atccaagccg 120
aggcgcttcc gtaacgtttc cgttgggtgat ttcgcgaagg ttttcgatcg ttcttcgacg 180
ttcttcattc gttcttcggg cttcaaccgg taagtccct agatogaact tttcaattca 240
ttctatgcac ccttagtggt cctcatttgt ttttacgtgc tttcatttac attttattta 300
ctttccgtac ccctttttga cgtgcttttag tcatttgctt aagttatttt ctgcgcta 360
caaaaaataa aataaatttc caccgatcat ttgaatcgta atatcccgtg atttctgtta 420
aatga 426

<210> 32361
<211> 234
<212> DNA
<213> Glycine max

<400> 32361

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aaacaattga caccatatat agtccctact attctctact tgcattgactc atattatttg 120
ggttctaccc ataagatcca atttactttg aatcttctga tcaatctgtt atagtgggtg 180

gaggtatata tccgttatga tcaattgctt caaagcattg aaggggagct tgag 234

<210> 32362
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32362

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tcaccggata gtgacatcag cagcatcaac agggaaacat atgtcaagggt atattttag 120
tatctctttc tctatctata accacagaaa cactaacgca gtgttgacta cttctagggt 180
tattttgaga attttgccaa ttgaagtctc atgttatgct tcaaaggagg aaatttcaag 240
aacaatcaag cctcttgtgg aacagtactt tcctgtggaa actcaaaatc cactcaagggt 300
aatactatct attagtgttt cagtttgtat tacattttat ttttagcatg cattccacac 360
tacacaaatg ttttcaatgt taatattatg aaattaatat agctgggtac gtatatttat 420

<210> 32363
<211> 280
<212> DNA
<213> Glycine max

<400> 32363
agcttttatg ttgtaattat ttcttatttt ggattgttga accgtacaag cgatatcctt 60
tccaataaaa atctatgtgt atatatgtgt gatgtgccaa cgcgtcggag tggccacgac 120
tcgagagctc tatggtatgt aattcattca tgaaagaaaa tgagttaaca gtgcagtgat 180
tattttatga ctgtatgata tacgagaaaa tgatcatgaa agaaaatata ttataccact 240
tacctaattt tatgtatata tttatacatt taatttcatt 280

<210> 32364
<211> 432
<212> DNA
<213> Glycine max

<400> 32364
cgttgttggt ggtgatatta ttgaagagtc cttcaaagcc ttctacagaa atatcttggg 60

caaaatggta acaagaagta tctccaaatt aatcaatggtt attaatgaag atagtgacca 300
aaactcagat aacacaactg agataggatc agtgtcagag aagaatataa acccaattaa 360
ttccaaacac tggaagacac cctncaaatt atattatcaa cgtccaact 409

<210> 32367
<211> 326
<212> DNA
<213> Glycine_max
<223> unsure at all n locations
<400> 32367

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ggattatagt ttgcaaacca tggtttggcc ccaccaaag caacgctttt tcacttctac 120
ttactcaaaa tatgatttga gaccanaaa tgatgttcat atttgcttat catgttattt 180
gtggatgaaa cttatattgc actctccata ctacggtttg cggatatacaa ttacaaacag 240
acaataatac aagttcatgt aaaatcatta caaggcgttg catgcaattc actagtgaaa 300
gcacgaatga acaccctctt gaaaat 326

<210> 32368
<211> 413
<212> DNA
<213> Glycine max
<400> 32368

tgtaatggtg ttgaatgaca aacctgcttg ttccaaaagc gagcaatatg ttgatgcacc 60
ttcaataactt cattcttctc cattgactct cttatgttca tttgcctcag catctccatt 120
tttctccgat tgattgcatt ttctggattc ttacagaatt tgtccattgg tcctttttta 180
gtccacact ttgtctttgc acttgagca gcattacaag agtccgcaaa ctcatcttct 240
tcacttccat cacatccaat cggttcacca aattcaaaat ctcttatatt tgccatatta 300
ccactgccag aagtactgta agtgggtccca cttttttttg tagccatata ttcttcaac 360
tcttcgatta catttggggg agttttcttg caagctgcaa cgttgcccaa ctt 413

<210> 32369
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32369

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ccgagactga ggataattgc actgtgtgcc ttctacagta gtgttttctt atccgcatca 120
gccatcatct tttttgagtt tggcttctcc atcaagtgt tctaccaggc ccctgtgaac 180
aagaaaggct ntcattctca attgccata 209

<210> 32370
<211> 429
<212> DNA
<213> Glycine max

<400> 32370
tgccggcgat aagctcgctg attccgatta ctccctttcg atccgctcca actgggtctc 60
ctccatggtg gacttcgtgt ggcggaagcg ccgcgccctc atggcgcgct ccttgatcct 120
ccccgtcgag aatttccgcg ccaccgtgtt ccccgtcgta tactccgtca aggcgtggc 180
ctccggtggc gtccaggtca ttagaaaact ctccaaggct tcctctacct ctgcatccaa 240
tgcggatgct gaggttgatt cccacgcgga gaagctggtg ggggtttctg atgtgctcac 300
tcacctggct ccgttccttg tttcgtcgtt ggagccggcg ttgatctacg aggttgggat 360
caatatgttg tatctggctg atgtgcctgg agggaagcct gaatgggcct cacaatcgat 420
cattgctat 429

<210> 32371
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32371

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ggaagcagct tcatatgcta gcgtgactag gaatgtggtg atcagattca ttaagaagga 120
gataatctgc agatatgggt tgcccaagaa gatcatcact gataatgcca ccaatttaaa 180
caacattatg atgaaggaaa tgtgtgagga tttcaaaatc caacaccata atttcacgcc 240
ttattagcca aagatgaatg gngcagttga ggctaccaat aaaaacatca agagaatcat 300

ccagacgatg actatgtcat ac

322

<210> 32372

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32372

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tgaaaccttt gcgagattcc tcacggaaaa cgttacggaa acgtttcgga agtgccctcg 120

cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaggagag agaagtgcct 180

aaggggctgg acccctttct tcttcatttc ctcccctatt tatagcaaaa taggggaggt 240

ggttgccgcc cagctcgccc aggcgagctc agctcgccca ggcgagcagg gttgcttctt 300

ccagaagcaa ccgccttctg gaggaatatt ccagagggcc caagtgggccc tgggtgctat 360

ttgcaccnc atctttacta agtacaccn cctctgctgt ttttgggtga ttctt 415

<210> 32373

<211> 392

<212> DNA

<213> Glycine max

<400> 32373

taagcttatg cacggaaaat gtaattatga aattgagatg cccgaagaaa caccatttcc 60

tagttaacca tgcattaggt accatgttca attattttgt ttttaagtga aacgggttta 120

tgatcccaac atggttggtc cgtggtgcct aacacatgaa actaagaatg tagtgtgaag 180

tttcacgctt cccctttttt tgtttttgtt ttgtagagga aaacgcaagg atgagcaaac 240

atatgcaatt ctgcagacca cacagtttgt tgaacgcata tgcgatgatga tgccatgacc 300

atgcaaaatg tgaggctgga atatgataac gggacaatgc acgatatgtc cattatgatt 360

gtatgaagag atgcttatgc gatgcttgat at 392

<210> 32374

<211> 380

<212> DNA

<213> Glycine max

<400> 32374

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acaacttttt gaaaaagttg aaagtatgcc aattgtactt gacaagtctg agttcattct 120
aaagatctcc attctaaaga ataattctta ttagcttctg aaggtatatt agaattgcat 180
tctgatgttg ccattctgat gattagtttc tgattagctt tctgatggtc tctcaaatac 240
atthttgatgt tactgaggaa ggatttcttc taatatacgt tcctttcgat gaagataaca 300
tgatatgaca atgcagatag ctcatctcca tcaaaccaaa cacttcattt aacatagatg 360
attctgaagt agcatacttt 380

<210> 32375

<211> 232

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32375

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cgacatatct ccaggcacca ctttgcggtc aacaaacaaa agtaggaaga ctgactctta 120
cacgctatth gacatcaagc ctcatctgat gatcgcgggc acccggcata tgtggtacta 180
cgtggcgata ggcgcatggc gcaactcaac tctccgntt cacgagtcaa ac 232

<210> 32376

<211> 427

<212> DNA

<213> Glycine max

<400> 32376

tgtcacaagt atatttaacc tgaacctctt agaagcttgg caaacatacc agccagctga 60
ttgctggagt taacaatgth ggthtgtaatt tcgctggaaa gcaccttttc tctaacaag 120
tgacagttga tctttctatg cctttgatct tttcatgtgt ttgtctccca atthtagttg 180
ttggagtagt tgcctaagth ccataagctc acatgtgact attgccatag aacaaaatcc 240
aactthtgca ctggatctag taattatgth ttccttattg ctcttccatg atattaggtt 300
tctccagca agaacacagt atccttaagt ggatcttgtg tctaagggtg acctttccca 360
gtcaacatca gagtaatgaa tgatcttttc attgcctthg tctcatgta ataatcctth 420

acctagt

427

<210> 32377
<211> 315
<212> DNA
<213> Glycine max

<400> 32377

agcttatggt gatctcatat ggtttgagcg tgcttgcaaa ttagagtgac cctgactggt 60
ctccctacga ttttacctag tgagagtgac ttgacttacc agtgtgtggt atgtcttgtc 120
ctacgcgtcc gacaggattt ttcactgaca tgggtaccaca ttgcatatag gatcgagtct 180
tagtatattt gttgcataac acttgtgtat tgatcaatat tgattgggtg agtgatatcg 240
tgtcttgatc ctttaagtacg tgaatgatgc gaaaatatgt gacacgcgta ccgtcgagat 300
atgatgttat gtgat 315

<210> 32378
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32378

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aanannattc aagtgaggga cncgagttat gtctctttta tcacacaaca tttcggggat 120
tattgtggaa catttcccga cacaagaatg tgcggtggtt gggcatccat cctcaagccc 180
atctccccag ctatttgatg taattcaaga cagaggtggt agaaatcgac ctggcctctt 240
ttctcatcca tcggtccttc actatttaga acccaacaca atctctcttt ggctatcatg 300
ccacctagcg tcttttatcg atcgatatcg atccgtatag tggcttccat acaggcccta 360
atactattct gattcccaat agcactattt tctgtcacag tgcggactct gagcgacta 420
ccttggttat ccctaactgc ctgcaacggt cctatacact gaacagctca actcaggaac 480
ctgaccttc tct 493

<210> 32379
<211> 248
<212> DNA

<213> Glycine max

<400> 32379

agcttgatgg tacactaagc ctcacatctt aggctaagcg catatttcag aaaaaaattt 60
 ggtgttgacag aaagctctaa gcgcagcttg ccgcgctaag ccccaaagtc ttacggggatt 120
 ttacaacttt gagttgggct tagcgcgacg ctaggctaag cgctagtgtt ttaaactcaa 180
 acttcacggt ggcatgataa gccagctga gcgcttttagc gcacatacga atttcagttt 240
 ttaaaatc 248

<210> 32380

<211> 407

<212> DNA

<213> Glycine max

<400> 32380

tgtcaatata gctcttcttt gctttaaact tacttgtctt tgattaaatt tagacttagc 60
 ctatagaact tgagagtgtg aatttaagca tagacttagt ctatgcttaa attttcattg 120
 tggctgaaca actgaaaata tgtcacaatg aaaatttaag catagcgttg tgaatttaag 180
 catagactta gtcgatgcat gatccttttt ttctctgaat aaccttagca taatgtttta 240
 tagcacatta atctgtgtta agctgcattt ttcttataac atttgaaggg tctggctaca 300
 ttgagcacat agatatactg atgtagtaga cttcacctca ctgggaagac ccataatct 360
 acgcaaaaat aagtttgatt ctgcatttac tatccagga ggtaatc 407

<210> 32381

<211> 217

<212> DNA

<213> Glycine max

<400> 32381

agcttggaga aaaacttgaa gatatcctgt ctattacata cccaactcct ttgagtgata 60
 tttgcattga ttgttataat gaatgttgca tcttagccca tatcatatct ctcgatcatc 120
 atgcctcatc aggagtaagc gacaaaacca tttctatagt tagaacatgt ctctctacaa 180
 gacacacctc tctgttttaa ttgactacca ccttatt 217

<210> 32382

<211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32382

nttcgattca ttctatgcac ccatagaggt ccacattgtg tttagtgcac tntttctcgt 60
 tttgtttact ttttataccc cctgttgacg tgcttaagcc attttactta agtcgtttct 120
 cgcttaactt aaaaataaaa taaatttcca ccgaacgttt gaattgtatt atccattaac 180
 tttggttaaa atcaattccg actgttcggt cgtgccgtaa ccacgttgga aatcaaaaag 240
 aggtaaaaaa taatataata atcaaaaaga catcttttag tgaaataaag cggaaaatca 300
 attggacatt ttctcttttg gatttctcat tcttaatoga attgattaat aactaaagt 360
 aaactaaagg ctaaaatcaa tccacctagt caagctcgtc cacaaaaata ggcttttg 418

<210> 32383
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 32383

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 tggaggaatc ttctggaggg cccaagcggg cctggctgct atttgcaccc ccatttttac 120
 taaggacacc ccccttttct attttttctg aactcttttt ctgtaacggt acaaaactct 180
 acgaacttcg taacgatact tatcttttct tctgcaggct acgaaccctt acgacttatg 240
 tattttactct tttttactct caaagaagtt ac 272

<210> 32384
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32384

cctcctcacc acactatctc cacaaatact aaacctctct tctcactatg ttcaatntgt 60
 ttcataatta cgcccgcncn angatcctgt gactcactat acnccanata gaatagtann 120
 ggggacctta gagtaacctg tagcagccac atatttcttt aaattaacaa aaaatcctat 180

gagcatatga aaaaggcacc cacacaaaca gccctgtagc gactaatcta aattcacata 240
 acccaacaat aaccaattat ctgactcccc tccccctca ccgcaatata cggacacaaac 300
 attgcctcca aaaaatatca ctcaatcaat aagcatctga atcgcaaatt tcctctagat 360
 actatcatct aacaccaata agttactcaa acaaaacttc taactcgata ctagtactca 420
 cactaaatga aaaactatta attcaacaat tagatttaaa acatctaate tcacgaatct 480
 taacaaaata atcttgatac ccgagtcac c 511

<210> 32385
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32385

agcttgcatt atttacatct ccccttttct caagcaaatt cttctttata tcacaaaat 60
 cttcatgatt tacattctcc ccctttttga tgatgacaac cacctgtacg ttaggagcaa 120
 caacaaagaa aatatctatt tgcataatcc cactccnctt tggttttaca atgattgctt 180
 atatgagaca attgacagat tcataattttt catatataaa aagttgtctc ataaaaaata 240
 gataatcttt tcttattatt ttatctttta tctttctctc cccctatgtc aacatcaaac 300
 acacatcatg aatagagagg agaacaatgt tactacttgc tgtaattgat gagactcaag 360
 tgataccaca ggcattacac aaatcattca atattgatc 399

<210> 32386
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32386

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 ggaatggaca agaagaggag ttgagaggag atgccactcc aaggacaaga tgagtcaaga 120
 ataattctac caccatggac tctattttat gcccaagtgt cacacaaaat cggagggaaa 180
 tctgaatctc tattcaaatt tcacttgaat ttcaaattga atttntggag ccaaaatttc 240
 actaattatg attagtgaat gttagctatg gttcagccca ctaatccaag atcaagccta 300

cactcctcca ctaatatgct tacgtgtcat gaggcattgta aagcatgatt gatgtgcaca 360
aagtgtgact atatgatgtg gcaatggcgt gtagcatgca catgctcacc 410

<210> 32387
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32387

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agggtgaaga gctgggtgtt tttggtggca atagagtagt gaatgttggg gaactcggag 120
cggaggtgac gaacggagga ctatagtgcc ccagcacaaa tctaaggtgt acaaactcta 180
tttaattatt ttcctttgtc ctttgccttg accgtcatca agaccaataa aaaaatggtc 240
ctctccattc tcgttgtcat tcttaccatc gaaaacattg caagcgaaga accaccatca 300
caacaagcac gactcagata tgagaaccac acatatccag atatgagaaa tagtgagaac 360
cacatcaaga tctta 375

<210> 32388
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32388

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tcctggaagg cccaagtggg ccgggccttt ntttgcctgat tctttttccg taatgttacg 120
gaactttacg aattccgtaa cgatacttgt tttccttccg taatgttacg gaaccttatg 180
gattacgtaa tcatcccttt tttggctttc ggaatgttac ggaacctcac acattgtgta 240
acaatgcttc cttctgattt ccggcatgtt acgaaacttc acggatcgtg caacactccc 300
tcttttgact tcggcacgtt atggaaacttt acgtattgtg caacaatggg tgccaagtac 360
ctcgaagcgg tcaagatgca atccaacctc ncaagggcat tggatagaag actccaagaa 420
gaatgagccc cagatgcaag agaacgcctt anggttctca tgacc 465

<210> 32389

<211> 356
<212> DNA
<213> Glycine max

<400> 32389

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tcgcaaagtt ctatgactct atcttaaata aattataact ttctagtata taacaatggc 120
agaaagacag attgttcttg cctttgtttc ctccccacac tggccaaatc acgtgatgat 180
ggatattgac ccgagtatat acattttggg gcctaacgct aaaaatattt atgggatctc 240
tcttttacia gaattttaga gaaacttact atatcatata aaatatcaat ctttctatcc 300
ctctcttaat gttttcagct gcatattgcg acattggcta aataacatac cttacg 356

<210> 32390
<211> 128
<212> DNA
<213> Glycine max

<400> 32390

tatagtattc acactggtaa atcatgacca ctgtgtaaac tgaatatctt acgaagtgct 60
cgcgatgagt agccctcata tctataaata atatgtggct gagaacaggg gactctactc 120
atcatgat 128

<210> 32391
<211> 388
<212> DNA
<213> Glycine max

<400> 32391

aaacaactat cttaatgagc tattgatcaa aagacatccc acacaatata tgtccctcgc 60
tgtctgatga taacaacaca cttgtacaac acgcacaacc actaaaaaca tttttatccc 120
gcctacctgc cccaccgccc ccgttacaat tagacactat attactacca aaaactaata 180
cccacttacc cagctattag aggcgaaact tctcctcaaa aaccattact taaatataac 240
taacttaata caaattacac cccttagacc gaacatacag accctaccac aaattgaaga 300
gaactatctc cttatcacac aatagattaa aaatcattcg agccctacga accctaactc 360
aaatgattct tcacactgca atccaccc 388

<210> 32395
 <211> 612
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32395

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ccgcactcac catcctcggt actaccattg attgntaacg ntntagtgag tccgaccaat   60
acntaactac actatactat atctcacnta nnnntaaaaa ccgccgcgcg gagnngnttg  120
gtagtacatc ntcgactact acagangaat tctaacnctg acgcgaggat cctatagagt  180
ctacctgcac gcatgcatac ttgtataaag atatatgtcc gatctactat gcaacgatga  240
agggctttac aggatgaatc gacaacacca ataaagaatc gactgacgca agctaactga  300
tcaaataata cctgccacgt agagcaatag tagttaaatt cccgcccccc ccgcacatcg  360
cattgctgca aatatggagg ataaagctca gatattcggc ccaataacat aggaaactta  420
ccatagcaat gtccaaccac tggcttacta actccatctg taccgcatac atgacacctc  480
cgctaaatct cgtttctatc cacaaccgag tcataaccaa gcgcccaataa tgcgccaccg  540
tccgtacata acctcagtct tcgttataca aagagaccca ccctaacagc agacatccac  600
agtctacaac cg                                                         612
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<210> 32396
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32396

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gaggaagagg atctcttttg gcatcttaac ggaccctctg ttgagggtcg agagccaggc  120
ctctctatgc agatcattct cacggacagc tacgctcaga caaactctga ctgagatccg  180
tcatgccata agagacgata ctgccactta cagttttaat gcctcatgac atattgtaac  240
tccccaacat gcctaacttc aatgaccacc ttacctaact tacttoggac tatccgcata  300
gaacgaacac tttataggct gtccaaccc caccgccgaca cactacatgc tataatagtt  360
aanatcctaa cataacataa taatggacga tcaatacctc tatatgaaaa tcacccatga  420
```

caccccccg acaagcgata tatctatcga aacttgact cttactcacg aaacgccatg 480
gtgtcttccg accg 494

<210> 32397
<211> 369
<212> DNA
<213> Glycine max

<400> 32397

agctctgatc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaattc 60
ttaccctcgg aagcaaaata aaaaaggggg agagggacaa tttccaatca aagaggaagc 120
aaaaaaggag agaaggaaaa ttttcacccc acgaaaagaa gagaggaaag ggaatttcca 180
atcaaagagt gcgagatagc aaaagaaaag aacgaaattc ccaatcaaag atgggaaaag 240
aataatgaga ggaggagaag gaaagaaact cctgacaatg atcgacagaa acagagaaat 300
ggcagagagt ctctgaccag acatatctga acaatacaga attgtaccaa tgaacaaaaa 360
aagaaagga 369

<210> 32398
<211> 409
<212> DNA
<213> Glycine max

<400> 32398

tgcttgtgga gcttctatgg aggctggatc tttgagcttc aatgggggtcc tttaatggtg 60
attttccacc atggagatgc agcggaagat aaaggaaaag aggtgagagg aggcgccatc 120
cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
gcttggagat gatgcttcaa tggaggaaaa gaaagagaga ggggggagca cgacattgaa 240
ggaataaaaag agggagagaa gtggaacttt gaagtgcgtc tcataagaat tctctcatca 300
tagctgcaca agtggttacac atgcttctat ttatagacta cgtagcttcc ttgagaagct 360
tctttgagaa aacttccttg acaagttaca gcttagctac acacaccca 409

<210> 32399
<211> 206
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32399

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cactgaaaac cctgnaagtt atcatgtctg aatccttcct ggcacatttc attctgtgca 120
ccctatctca ataatatata ctcttttccc tctcccacaa cacacataat gataaatggg 180
ctattaatga attgatgacc atgtgt 206

<210> 32400
<211> 368
<212> DNA
<213> Glycine max

<400> 32400
tgctccaaat accaacaatt gtctcttact ttgagaactt ttacaatatt cgattttcaa 60
gattcaagat gatggcacta tgtgccttgt ccaccattgt cttcctttat gtttcaaaca 120
ttttgttctg aatagctttt tctccaccca atatctgac aagatcttgt gtaacaagca 180
acacctacat cttcaatctc tatattccac aatcattttt tcttgcgaat ttctccacat 240
cagactttgt agttgccata atcaccttgt tgaaccaacc ttttagatac aatcggccgc 300
caacacttgt cacaatcaca actatttgat taacttcacc caaataaaac ttactctatg 360
ataaaaaa 368

<210> 32401
<211> 373
<212> DNA
<213> Glycine max

<400> 32401
agctttgatc caaaatccta actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcaaaaaa agaaggaaaa ttttcaatca aagagaaagc aaaaaaagag 120
aaggaaaatt tccaatcaaa gagggccaca ccacagagag aaggaatatt tccaatcaaa 180
ggaaaaaaaa aagacgaaat gaaattccca atcaaagagt gggagaaagc gaatagataa 240
gaaagaacat tccaaccaa agagtgggag aaagtaatag gaaggaaaga aagctcctga 300
tcaaggatcg aaagaaatca gaagatatgt gcagaaaggt ctttggaccg gacaatatct 360
gtacaataca gaa 373

<210> 32402
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32402

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 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagagcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatac gtaacacttg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct cattcgtcan caagcccttg acttttgtgaa 300
 gttacattga atccttcac acacaactga ctgatgctga tc 342

<210> 32403
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 32403

agctttatgg tgaatcaaac gtgattcaaa ggtgttttga tgataacaat gatgataaca 60
 aatcgtgatg acaaagggtga tgacaaaaag ctcaaagatc aatcaaagaa caactaaagt 120
 gaaccaagaa caattcaaga gtcccatca gaatcaagat gagttcacgt ctcaagaaga 180
 aagtctagag acaagaatta agattcaagg gtcacagatc tcaagaatca agatcaagat 240
 t 241

<210> 32404
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 32404

tcaccactat ctcttgatgt tacaatagtt gaccatgacg gacttggtag cgtactcgac 60
 acgagagaat gacgttggtg agcacgggga gcgaggatcg aacagtgcta actgatgcac 120
 tactacaatt tatgatataa cgattgacgg ttaacatgag ttattcacia aagcgatggt 180

aacaaaagcg cggaggcatc attgtagtaa gaatacttac tgaacatcag ttacgtgcaa 240
gaacctttat gtcttctaga caaggtaaga gttttacaaa aaatcctttc tctcttatga 300
cagaaccaca acactgagtt gatgccagt tcaataagtc atcttgatt 349

<210> 32405
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32405

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ttgcgatcat tttttctat tttttctaatt ttgctttttg cttgatcatt tatgaggaaa 120
ttagttgtga aagataatga atcaaaaact acatatataa aaaatgattt taaaaaatta 180
tctcaaaaaa ttaaagtcaa aacttttgac gacaataata aatatatata tatatatata 240
tatatatata tatatatata tatatatata tatatatata tattatctat catgatttat 300
agtatattat aataagacta gaatatatat tcttattact tcattcttct ttaccaagag 360
atataaaaat actctctatt atttcattct ttattactaa atgtacatac t 411

<210> 32406
<211> 453
<212> DNA
<213> Glycine max
<400> 32406

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aatctgcctg aatgagacac tttgagagac agacatttcc atatagacta gccatagcct 120
caaggacacg ctcttgaatt agtttgttgt cctgaggcct taaaagagtt actagaatat 180
cctctatctg agttgcatca aaatgtttct catcaacatc aactttttcc tcaaagacca 240
tgagtgtata agcaagagcg ccaattatat caccaactgg tgcttacggc gaggagaacg 300
gaaagttctc caagatatag tattaaagca gacatgccac cacagatatt ggctaaagct 360
cgagttgcat gtcctgcag agcctggcca ccatcaoctt gcatacactc attagaagga 420
gcaactatag cttccataac gattggaata cca 453

<210> 32407
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32407

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 tttatgggta acactgtctc tagaacattt ccattggatt taatgatgga atctatgcat 120
 tttcaggtga aaaagaggct aagttttgca cgcaaaaagt agcagttggg ctaagcgcat 180
 atccaccgct aagcgtaaag gagaatctgg cagagcatca acatcaaagt tgcgcgctag 240
 gcgcgagatc agtgtgctaa gcgcagcagg tgccttcagc caggcttagc acaagactag 300
 cgctaagcct aattccactt actcgcgcta agcgcgaggg tggcgctaag cgcaagggtca 360
 tgaattntga gcctatttaa agcctgtttt gtgcaaaatt aggggtacaga caca 414

<210> 32408
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32408

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 ggagaggggt accactactg gaaaaccoga atgcaaattt ttattgaggc aatagatcta 120
 aatatttggg aagccataga aatagggcct tatataccca ccacagtaga aagagttaca 180
 atagatggta gttcatcaag tgaaagcata actatagaaa aacctacaga tagatggtct 240
 gaagaggata gaaaacgagt acaatacaac ttanaagcca aaacctaata acatctgccc 300
 tggaatggat gaatatttca nggtttcaaa ttgtaagagt gctaacgaaa tgtgggacac 360
 tcttcgatta acacatgaag gaactacaaa tggttacatga tctcngataa atacactaac 420
 tcatgagtat gaattattta gaatgaat 448

<210> 32409
 <211> 149
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32409

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 ttgcgaatat ctaattctac tcttaagtta agtaaaatgt agttttcaat acgtgagatt 120
 atctgttttg gttgatgcaa gctgatgat 149

<210> 32410

<211> 103

<212> DNA

<213> Glycine max

<400> 32410

tattgtacaa attagtttgt aggacatagt tgtgattcgg acttgctgca acctaccctt 60
 cggcgggagg gcgacgcgag attcgcggtt gcctcttcca aca 103

<210> 32411

<211> 466

<212> DNA

<213> Glycine max

<400> 32411

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 aaatgagcta tgaaatctga agtttaatat tcaaattgatc aaagttgata aaaatgcaca 120
 cacaatgcct ctatttatag cctaagtgtc acacaaaatt ggagagaaat tagaatttct 180
 attgaaaact cacttgaatt tgtggagcca aactctggag ccaaaatttc tctaattatg 240
 attagtgaat tatagctatg gctcagccca cttaaattcaa gatcaagtcc aagattccca 300
 ctaactatgc ttagtggcat gaagcatgta aagcatgaag cacatgcaca tagtgtgact 360
 atatgatgtg gcaatgcggt gtagcaagca aatgcttacc ttccaattca attaaatcta 420
 tttttcaaca cacacatcat atattcactt aatgcatgtg aaatta 466

<210> 32412

<211> 411

<212> DNA

<213> Glycine max

<400> 32412

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catgttataa cacattgtta actaggaaaag ggtgggttctt tgggcatctc atctcaatct 120
cataattaca tttgccatgc atagcatagc gtgcoctaatt cattcatctc tatgatatgt 180
tgtcgaagta ttgacaatca aaatttcaat tcttggaatt atggggtcga accaagcaca 240
tgcttttaag aaaagggtttt catcaagtca aaatcaagta tggaagtaag tatgttgcaa 300
aagttggggc agaagatgga tcgagtttac atagcttctt tggctactac caacacatga 360
ttgagctaaa taatttaca aaattaagga cttttgatgt ccatgtttta t 411

<210> 32413
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32413

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aataaaagag ggagagaagt ggaactttga agtgtatctt ataagacttt cattcatcaa 120
agttacaaca agtgttacac atgcttctat ttatagacta cgtagctctc ttgaaaagct 180
ttcttaagaa aacttactta cgaagcttct ttgagaaaac ttccttgaga agctagagct 240
taactacaca cacgcatcta aaaactaagc tcacctcctt gagaagcttc cttgagaagc 300
agagcttaac tacataacct ctctaataac taagctcacc tacttaagaa gagaagctag 360
agcttagcta cacaccccta taatagctaa gctcaccccc atgacaaaat acatganaat 420
acaaaacaaa ttctactaca aagactactc acaatgccct gaaatac 467

<210> 32414
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32414

agcttctaag ccatcatgac cctcatata agcaagatca gcagtagtgc attcatcagg 60
atthttgtgga ccaaatttgg ctctgccccca gcagacaata gagttgcaac cactttctcc 120
ctgaagatac aaatattaaa tcaaatcata agaaaatttt aattcaaagt tcaaacagtc 180
tacttttccc aaaatcatgc taaatccaca ttgattatgt taatgtgcac ctttatgtag 240

ggaaaagaga aacagaaaag aacatgaatg gtgaaacat gtcaaaaaat gattgtagg 300
tcaatgtagt tatagaagg ctaatgggtt aaacaagtgg gatgtttgtg tattatacct 360
tccacaatat gttgcccaat gaagagctgt ncatccacac ctatcac 407

<210> 32415
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32415

actganagtg ngtnrtgagaa gaggcannat tgattatcct gctntgatga attggaagcc 60
tgaggcaaat ggagagaatg agaaggagg aggaacccat gctgtgactg tcgttcctag 120
atggccaaat tccccaccag ctcaacaata tcaataactca tccaatatta gcccttctca 180
ttaccgcgaa ccctatcaac caagaacact caatcatcca caaaggcaac ccctaaatca 240
tccaatacaa aacaccaccc ttaacataaa ccaaaacacc aaccaaggaa gcagttttca 300
ccacagaaca tgtagaattc ccctcaattt tgggtgtgta tgctaactta ctcccatatc 360
tacttaataa tgcaat 376

<210> 32416
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32416

agcttctcaa ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gtcttatgag acacacttca 120
aagttccact tctctccttc ttttctactt caatttcgtg ctccccctt ctttctttct 180
tttctctat taaagcatct tottcaagct tattatccaa ggcaattctt ggcggtgaag 240
ctccttcttc cttggcttat tcctagtgg atgngccta ccctctctc ttctccttg 300
ccttccgtg catctncatg gtttaaaatc accattgaag gacctcattg aagctcaaag 360
atccagctc cataaaagct ccacaatca 389

<210> 32417

<211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32417

taacaacact taaggttcaa tgcaccttcg aaactatgtg ttcaactaag caatgcatta 60
 aagacatgtt aatttaattg aataataaat gcgagtcctt attaggaggt gtgattaatt 120
 catttaatat aataaatggg cggattattc acggagtagt tgaagatttg atttattcta 180
 gactattact ttttgttgaa caactgacct caataactta agaggggggtg aattaattaa 240
 attttaaaat tttcccgcta acaaattnta accccctttt aaatgataca tctgtccact 300
 cagaatgcag aagaagaaga agaaacaatc aatttaataa tgttctttta aatgcgcaag 360
 acaaagtaaa ctgcaataaa ataactgaga taagggaaga gagaatcgca caatcatttt 420
 atact 425

<210> 32418
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 32418

agcttttcga ttcattctat gtaccgtag tgggccacat tgtgtttcgt gcatatttat 60
 tctcgttttg tttacttttt ataccctcct tttgacgtgg cttagccatt ttaactaagt 120
 catttcttgc ttaacctaaa aataaaccct tttccaccga atggttgaat tggattatcc 180
 attaacctcg ggtaaaatca actccgaccg cgttcggcca tgccgtaccc acgttggaag 240
 ccaaaggagg taaaaataa tataatattc aaaaatatct ctttatt 287

<210> 32419
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32419

tganagtgtg taaccaacca ttntctcatt gtagaacacc ggtaacgtgt atactatcat 60
 tgtgatcatc tttttctctg tcattgaagg tgccacttga gctgtcaagt ccctccacct 120

ctgggcgat tccctgaatg actcatgctc ttttttacac atgttttgta gttgcgttct 180
atccggagcc gtatcataat tgtactgata ttgcctaacg aaggcaacca ttaagtcctt 240
ccaagaatag actcgggaag gctccaagtt agtgtcatat cctaattttg ctgcgcgatta 300
ttacttgcca catgcaacct ttgattgccc gtttcaagat acttgccgcac ctttggttga 360
caatatgtaa gtcttgagac gcaccggaag tcacaaggag cagggttatg 410

<210> 32420
<211> 404
<212> DNA
<213> Glycine max

<400> 32420

agctttataa tgagtaattg tgccaatgca ccctgaatat acatcttacc atccctctca 60
cacctctaata tttttccacc gcacaaaatc tgcactataa agtccatcac ctctcttctg 120
attcaccaaa tagactatta gaccacaggt ccaagactga cctaatacac actttataat 180
tatttttttt tegtgttggc atatttcctt tttctaaact ttttgcctc ttttggttgg 240
tggcagatcc atgagccaga atacaaaatc acattcatgg gccttcggtg cagatctact 300
tgggttgaat tcattgatcg tgtcttatat tacttttacc ctctgtttta tgctttgtct 360
taccctttgc ggaaccatgg ccaataaaca tcttcaacga ccat 404

<210> 32421
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32421

ntagaaacct acacggcgat ccaacgggac tagcacaaag aaatataaat cgttcgattt 60
gatgttatca acaactcaga ataattcttt tttggccatc ctctctttt cgaactagcc 120
aatggaatgt cattataggt acatgaccca ctttctattc gatgtatggt ctttcaattt 180
gaaattgggt tgagatctag agaaaaccaa caactaaact caccatgta atgtactcca 240
tttatttaat gtgcttaaata tatcagttct taatttgaga tatagtctct attcaatgat 300
tnttaaaagt atattgtatt tttcaattaa ataaaaagct ataaatttat ttctgaatcc 360
taatcaatat ctaattctcg tgttgctctt taataacttt tctttttcgt tgagccttac 420

ttaacacaaa tt

432

<210> 32422
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32422

agcttcttta acactactgc aaaaaagaca tttaaagacg gatattaaag acttttaatg 60
acagttaaca accgtcttta tatctaattg cattgaaagt taagactttt cagcacagtt 120
ctcacaaaac catcgtagaa aaccaactct cctaagacga ttcttttgta agaaccatct 180
aagatagtat atattctaaa aagaaccgtc ttacganaaa atcatcttag aatgtatacc 240
ttctaagacg tttcttaaaa agaaccgcct tataatgttc gatcctgtag agaatgaatt 300
ctgtggctac acttactagt gacaccagtt cgtaattatg tggttacacc aacatttc 358

<210> 32423
<211> 284
<212> DNA
<213> Glycine max

<400> 32423

tgcccagaga atgaatccac ggaggaaatg cttaccacct ctatagactg gatagcgagt 60
tctaattgact cttctgttga ctgcacatat tgcataagagg atgggctgct cacctagacg 120
tcttcctcgg ctgatacgat gaccagatgc acttcacta cgaatatgaa ctcttggtgg 180
agcgtagagg gaacaaatct cactgagtgg atccacgggc gcccacacag acatctgtaa 240
gggggggcta atatcgatta tatggaaagt aacttgacag gtgt 284

<210> 32424
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32424

agcttggcac tgattntgta ggtataacat cattattcat gttcttaatt tgcattgtaa 60
atatggagaa aaatgtgttt ttagtcttta ttttttgggt aaaatataat taagggttct 120

gtacctttat attgataaat ttaattttcc caactctaaa cggcgtgtat ttaatctctt 180
 ttattttctaa gatttcatta tatttttttaa agctattata tccataaatt gttaatccca 240
 tcgatactaa tttcgatcta cttatacaaa atctcgattt aagctgcgaa agaaaaaaat 300
 aacatgtaat cgagagacaa gattctctag aagcgattag tcacttatac aaagatcaat 360
 atcagcaaaa ttagtgaata tttcatataa atactatgct aaaat 405

<210> 32425
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32425

tgatgttctc actatattat attaagtttc taccacacagg ctgtcctaac tcctaattta 60
 cagaaacata atataataag agttcttatt taataaatat ttttaattaat tatatactaa 120
 tacatcctaa ataagtaaca gggactgcta gctgcaataa cgtgtgtcga tgaagaatgg 180
 atattgttgg atgcctgcta cattagaatc gcctatggcg ttgaacgctt atttaatatg 240
 aattttataa taagcgtggg aaaaatatta atttataata atataaagct tttnttcgca 300
 gattacatgt accattacaa taatttaata cacatgttgt aattatagag aaatacatat 360
 tcgtattcat acataggggt gagaataggc caggccaggc tttgaaaggc ctgagcttag 420
 cctacgatga atctttgagg catgagcctg acctatagac ta 462

<210> 32426
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32426

agcttgcttt tggctgaccc attcaactcta taccaagtga acttccttcc catccatggt 60
 gcacccctcta cctccaaatc ttcaatccac tcgttaaact cctttatgct attatctgcc 120
 tctcctcttt gacatctgcc gatccttctg gaagggttct gacanttggt aaatccccc 180
 gaatgcacca caatcctcca ttatgagaac tttntagttg ctttatgttc tcccatagac 240
 ttctcttgct ctgaacatca caagggtgaat aaatgtttac aatatgcacc tggtagagcc 300

tcttaagcca ttgacctacc aataagataa agcactgcct atgac

345

<210> 32427
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32427

tgcattnnga atagcgaaag cccactcca tcattaggat tagtacctga catctcanac 60
 aaacaaatca aacgtaacaa gacaattata gttgttggtt gaatacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaaacactc ttgcctttta ccaactctaata 180
 tccccttgag ttcttaagca attcaagaga ttatggccac agcaaagaac aattcaccaa 240
 tatgtgtaag gtaaggctag agagacaagg aaaagggttaa ccaagaaaaa ggctaacctg 300
 cctctaggca caatgaagga aataaaattt agaatttaag aattcaagta acaatccttc 360
 atacaaccaa tatattacct tanagagatt ntttttttta aaacanaagt tcttcaagca 420
 tgaaccattc 430

<210> 32428
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 32428

agcttggtcaa gtctccagc ctggacaagt gttgttcggg ctgcttctgt caagttgtcc 60
 aagggtggaca tgcttttggt tttgcatgtg aggtctaaca tgtcaggtga gggaagcctg 120
 tatatttggc aactctgtcc ttttctaact ctggagaatg cattgaagac aaactttatg 180
 ttttgtctgt taatgcagtt gcgtgtagtg cacacgtagt actcttgac acgtgtcaact 240
 cgtggagtgg gcacgtacta aatacgtgtt gcgtgggata tgaagttgtt ttgtggtctc 300
 ctcttgccag tgaccaccgt cacttcaaat ttctatcttc tttctctcga agtataagtt 360
 ttccctcacc tacacagcaa gtgtcgtctg agacgccagg tgaagctagc a 411

<210> 32429
 <211> 469
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32429

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ccctttcctt gttttgaagc tcactacaag ccttaagtga aaaaccatga tattaccata 120
tccttaagga attttgagc tttggaattg ttttggaat aagtgtggg ggttttttgt 180
ttcattggac aacttgttt gttggctatg cttcatgatg tttttgggc catacttgat 240
gtacattgta tattgggttaa atgttgga tgctgaatga aatgttggtt ctcanagctc 300
cacagtaaaa aataaaaaaa aatcgaaaaa aaaaaatcga ataaaaaaag aacaagaaca 360
gcaataaagt tgagtgaata agatcttaaa tggcacaaga atgatgaaac tctcggtctt 420
actcttcatt gttacatttt atctttactt ctctttattt ttttcttaa 469

<210> 32430

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32430

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ggtaatatgt actactcaat cttgacaaac ctctcaaga aggcacttga tcgattaatg 120
accgggactt accaaatgtc acttgctcaa gggaccaga atcgaaatccc acccaacctt 180
gcataggtg aaagaggga atgtgacct cgagtaaaca cttgaaagaa aaagtgttat 240
tatttcatta atcaaaataa ggatacatta ttccctgggt cggatggatg tgaccctcga 300
gtatcctaaa aacatcttaa caagaaaaga cctaatacatt atgctttgta tgacaacatt 360
ntaatgtgtc ttaacaaagt aacatagagt gttaaagct 399

<210> 32431

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32431

tcttatocaa ggcactctct tgggtgtgaa gcttctcctt tcatggctta ttctctagt 60

gatggagcct cctctcacct cttctccttt atctttctgct gtaactccat gactgaaaat 120
caccattgaa ggacttttatt gaagctcana gatccagcct ccatagaagc ttctcaagca 180
aggttccatc aagtgggtatt agagcacaag atcttcaagt aggtgctctt ttaacctcaa 240
ttaattttca gctttacett ctcttccatt gttgtttctt cattnttctc catcgctctc 300
ctcacatgtc tgtgctgaat gtttttaaca tgattnttta gaatctccac cgattaaaca 360
tgctatagaa gctagaattg attttctatg gttcacattc ctttgtctag ttcttgaacc 420
atgaattgtg ttgagttt 438

<210> 32432
<211> 363
<212> DNA
<213> Glycine max

<400> 32432
agcttgattt gatgaagtgt ggaaggggtga cacttcctac ttttattcgt tggtcacaga 60
gcggtacctg cagatatgtg ggggggggtca agagaccttg gggacgtcag gtgggggtgct 120
attgccc aaa accaagcttg accaaccga cccaaccgg gcatagtcag tcagtgaaga 180
cctgtgatgt acctaaacag gcgagctcct ggaagtcaat cgataaaaga acaatgacca 240
catagcaagg aggcttgtgt ggtggctggc cagctgtgaa tcttgagtga tatatgggat 300
agggcctctt ggtatcgatt accgaggggtg ggtagtcgat tacaaggctt ataagtgaag 360
aca 363

<210> 32433
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32433

ngagcatatg gatggccttt ggctaaatca gcagcatgag ccgtaatctt gtaagctata 60
acgccagcct tcacgtgatc ccggtttggc aaccaagat gttcttttgg agtcacataa 120
cacagaagag ctgtacctag tgccc aata ttgcgagcac caattgcaga cgcgatgtga 180
tcatagccag gggcaatatc agtattctaa tgaccaagag tgtaaaaagg cgcttcacta 240

caccattcta actgtttctg catgttttca cgaatcttgt gcattgggac atgccccgc 300
 cttcatctca tacctgtaaa gtaacttaaa gtaaaaaata taccocatca tcttcaagat 360
 atattgatgg taatatcgcc tcacatgatg a 391

<210> 32434
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 32434

agcttgcttg atttacatct cactctatct caagcgaatt cttctttata tcatgaaaat 60
 cctcatgatt tacattctcc ccctttttga tgatgacaac cacctgtatg ataggagcaa 120
 caacaaagac aatatctata tgcaccccc cgactccgct tgggttacia tgatcgctta 180
 tatgaaacia ttgacgattc catatctttc atatataaaa agtcgtctca taaaaaatag 240
 ataattctt 248

<210> 32435
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32435

tgtacgcctt ggatcttctt catcaaagga gtcctttgct tcttgaatat caatggcagc 60
 ggaatggaga agaagaggag ttgagaggag acgccacttc aacgagaaga tgagtcaaga 120
 agaagctcac caccatggcc tctatatata gcctaagtgt cacacaaaat tggagggaaa 180
 tttgaatttc tattcaaatt tcacttgaat ttgaaattga atttgtggag ccaaaatttc 240
 actaattatg actagtgaat tctagctatg gttcagccca ctaatnnaag atccccctcc 300
 agattctcca taagtgtgct taagtgtcat gaggcattga aagcatgaac gatgtgcaca 360
 cagtgtgact atatgatgag gcaatgggtg gtatcatgca catgcttcac ctccccctca 420
 caatttaatt gga 433

<210> 32436
 <211> 96
 <212> DNA
 <213> Glycine max

<400> 32436

agctttgttt cataatttct ggaggagtgc ggcattgttt cttgagaagc ctctacatgc 60
acgagagtct ggccttggct tgaagctttt gcatgt 96

<210> 32437

<211> 288

<212> DNA

<213> Glycine max

<400> 32437

tgcgactcta ggccatttct atataactag cgcacttaaa atgttgtgac ttctgaaaca 60
atcttcacaa acaagtcact tgaagaattg tgacttctgg aaatgtactt tttgaaatca 120
cccactggta atcgattagc atcaaggagt catcgattac acatcaacat atgtgactct 180
tcgtttttaa ttgcgaaaat caaaacgttc acaagctctg gtaatagatt acaaattattg 240
tgtaatccat gacacagata taaagtaatt ggaaaatgtt tatacaga 288

<210> 32438

<211> 398

<212> DNA

<213> Glycine max

<400> 32438

agcttttatat ttagacttta aacactttgt tttgttttgt aaacaacaat ttggaagaaa 60
gaaagataca taaaatgtat ttttttttaa atgtcttctg ttgtacaatg gtttggaaaa 120
gtataagaga aagcaaaaat aaaacacctc ggaccctaata cccttaattt ctctcgatag 180
actgagacca agaaagaagg gggaaaacaa aattatctat tagaaaatga tcatatttat 240
taaattcttaa cgacataatt atctatatatt aagaagaaat tatttttggtat ctcttcatgt 300
taaattgtttt ttgtgaataa tacaggtttt gatgatacta agattctgaa tgtgtaataca 360
actatcattg atgtgtaatc gattaccagt aacggaac 398

<210> 32439

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32439

tccgaatcca gagatgacag ttactctgaa caccctgcat tnttgctgng acaccaaca 60
acacaatgaa agggctaaaa tacctttcac cttttctagg gatcgggcgt ccgtatccgt 120
atgactcata caaattggcg atctgtataa atttttctta actcatacaa attgttgatt 180
cgtagtcata cggattgtta atccatatat ccatacagat catcaatctg tataatcata 240
cacattgtca atccgcatgt tttaactgtn taacaattat ttttctaaan atctccattc 300
attgactatt acaaaatctg ataattaaac aaatttgata tttaattgaa tgacgta 357

<210> 32440

<211> 323

<212> DNA

<213> Glycine max

<400> 32440

agctttatgg tgaatcaaag gtgattcaaa ggtgttttga tgataacaat gatgataaca 60
aaagggtgatg acaaattgtga tgacaaaaag ctcaaagatc aatcatagaa caactaaagt 120
gaaccaagaa caattcaaga gttccgatca gaatcaagaa gagttcaagt ctcaagaaga 180
aagtctagag acaagaatca agattcaagg ttcaaagatc tcaagaatca agatcaagat 240
tcaagactca cgattcaaga atgaatagaa gactcaatcc tgatcaatat tagaaagttt 300
gtcccaactt tgaatatcac atg 323

<210> 32441

<211> 257

<212> DNA

<213> Glycine max

<400> 32441

tcaccactat ctcttgatgt cacaaacggt gaccatgtcg gacttggtag cgtcatcgac 60
cgagagaatg acgttggtag cacggggagc gaggattgaa cagtactaac tgatgacta 120
ctacaatatt tagatataac atcggacggt taacatgagt tattcacaaa agcgatgtta 180
acaaaagcgc ggaggcattc ttgctagata aaatacttac ttaacatcag ttacgcgcaa 240
gaacctttat gtcttct 257

<210> 32442

<211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32442

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 tatgtatgcc atgggaaagg gaaagttata atgatgagga tgggcta[^]ctc attagcgagc 120
 gtacgggacc ttcatactnt tcgctcgccc cgatccttct atctctcttc acctacgact 180
 tatttagcta tgatctccct aatcctcctt acaagggcga tacaataata tgacgccgat 240
 acaataatat gactccctga taaaataaaa ggagtcttca accctcta[^]at caatagaggc 300
 tagatcggac taacgagag 319

<210> 32443
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32443

tgcacaaaca tcaagtccag tagaggacag acatgaagca tctcatgatg aacctatgat 60
 ttcattcaatt cttgaacctg ttgatacttc atataacctg gtcagagaca gacaaagaag 120
 gcagattaaa gtcctataa gattgggtta tgctgatctc atagcttatg ctctgagtat 180
 agaatctgat gatcaaagct cagaaccaat ttcttataaa gatgcaattt tcagaaccga 240
 cagtgatcag tggagatcag caatgcaaga agagttngac tntttcccaa caatgatact 300
 tgaaacttgt tganaagcca gtaaagcaga aagttgttgg gtgtaatgga tttc 354

<210> 32444
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32444

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 agatgaaggg atgtcagctg ctggtgcaaa agaaaaagga acaccagctg ctgtggacct 120
 ggttttccctt gccctagaa aattaactac tggtcattca cattccaaca tttcctttta 180

tg

362

<210> 32447
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32447

taacgcattn tacctctaag ggtcttgtaa ttgcataatg gtggtcagtc tctcgatggt 60
cccaccatgg tatagcttca atctctgacc atttactatc catgttctgt gcggagtttc 120
tgactgaggg tcaagtaatt ccacaactcc atatggcttg acttccttca tggatgaatgg 180
tccagactat ttagacttta atttgcttgg aaacaacttt aatcttgagt tgaacagcag 240
cacttgttgt cctggcctan agtccttctt tagcagcttc ttgtcatgat aagccttcgt 300
ttttctttgt acagctgaaa gactcataag cattcaatct catctcttcc agctccaaga 360
gttgcaactt cctcttttcc cctaatagag cctcatcaaa attcaggaat ttcanagccc 420
agtatgcctt atgttccatt tctac 445

<210> 32448
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32448

agctnttagt gtgttttttt gaaatgtatg catgagatag atatttattc atttgatgca 60
cacaaacacc aacactatth gtacacacga tgagttgaaa agggggcccta taccggggtc 120
catgggaaca taaggagtgg aggtgaactg cggatcatgct gggatcactga cttgcttgat 180
aacagtgaac cctcatctag agttttttctc tttagatagca tgtgggttgct ggtagtccct 240
actgccgcaa tatgtttttt cgaagggcat gatacctcta gaaaccatca agagagatat 300
gaccaccttg ggaattatca ctaanagcct tttagttcct tccgtttagg tcaactaanat 360
aggggcacga agtgaccacg ctgcgtgcct tttaaacact gccatgc 407

<210> 32449
<211> 441

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32449

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agttactttgg atttgggtccg accatgccct cctgatttcc agctgggaaa ttggcgagtg 120
gaggaacgcc ccggcattta cgcaacaagc ataatgtaaa cctttacggg tttaaaagct 180
ctatagttgg gcctaggctt tagagttttc attctgttaa agctttgtgt cttttgcttt 240
tgaattcata atacaaggat ctttcttcat ctgttcctgg tctctacca ttctcttcat 300
ttgcatgttt attctttntc taaaacggca gattcgatga cgagtcccc gaaggtacta 360
atacctgnga cccgtctatc aacttcgagc aagaaatgaa tcanacggaa gatgaaggag 420
atgacgatgt gggacttcct t 441

<210> 32450
<211> 369
<212> DNA
<213> Glycine max

<400> 32450

agcttaaaca ttcactttcg agcctcactt caacattcaa tttcgagcgt ctcgatatat 60
gacgggactc aatcagacat ccgagtaaaa agttattgtc gcttgaaatg gctcagagct 120
tcaacattca atttcgagcg tcccgatcgc tcacggcact caatcagaca tccgagttaa 180
aagttattgt catttgaatt ggctcagagc ttcaacattc aatttcgagg gtctcgatat 240
attacgggac tcaatcagac atccgagaaa aacgttattg ccgtttgaat tggctcagag 300
gttcaacatt caatctcgag cgtctcgata tattacggga ctcaatcaga catccgagaa 360
ataaattat 369

<210> 32451
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32451

tccatcagga tgtcttattg agtcccgtaa tatatcgaga cgctcgatat tgaatgttga 60

acctctgagc attttcaaac gacaataacg ttttactcgg atgtctgatt gagtcccgt 120
 atatagcgag acgctcaaaa ttgaatgttg aacctctaag ccaattaaaa cgacaataac 180
 tttttaatcg gatgtctgat tgagtcctcg aatatatcca gacctcnaa attgaatggt 240
 gaagctctaa gccaatcaa acgacaataa ctttttactc ggatgtctga ttgagtcgag 300
 cactataacg agacctcgaa atgaatgtta acctctgacc aattaaacga cataactatt 360
 tactcggatg ctgattgagt cccgaatata tcaacctcgg aattaatgtg 410

<210> 32452
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32452

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 acatttgagc tttcatgcat gtgtcaatga taggcttgtc gtcatacttt tgtaattgta 120
 gctttaagtt gtatttttgt gtgatcatct ttgtaaatag caattcttat tagcttgtaa 180
 tcttattttt gttggttcta atacctttga gggggagatg aaaggaatcc aaagttgggt 240
 agaggtgcat taagagataa tagttatacc tattcctagt tatgattctt ttttaattcaa 300
 aactcagcct ttctggatta tacaatatct ttttctatct tgctttctgc ttgngttaat 360
 aacaaatttt catctcaaca acttaactta agttttttgt ctaatatta 409

<210> 32453
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32453

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 attagaacaa acaataaaga aaaaatgtat gggctgggtt tatctattta tagaagattt 120
 tgagtgaat tataagattt taaagttat gaaatcaata gtattctggt tgatgccaat 180
 agaaaccagg taaaaatcaa atccttttta tctcaacaat tataaagtcc ttgcttcaaa 240
 tgaaggaaag cattgctctg cctataggta attcttggtc tactgtattg taatgttctt 300

tctgtttgca tgtgaataca ttcaagtttt atggttttgg gttctttctt ttacatctca 360
agtttatata tctgtacgaa aataacat 388

<210> 32454
<211> 374
<212> DNA
<213> Glycine max

<400> 32454
agcttcttat ccaaggcatt tcttggtggt gaagctcctt ctcccttggc ttattcccta 60
gtggatggtg tctccactct cctcttctcc ttttcttcc gctacatctc catggtgtaa 120
aatcaccatt gaatgacctc attgcgctca cagatccatc ctctatagaa gctgcacaag 180
caagcttcca tcaatagtac togettagcg cacagccgcg cttagtgagt tcaacaaata 240
actcaacaga gaagatgaac gcgcttaatc ttcaacagaa gcgatgaact cgcttagcac 300
agcaaggcac atagcgagtt catcgtgatt tccagaacac taggggtttc tcaccccttc 360
tcataggccc ctat 374

<210> 32455
<211> 403
<212> DNA
<213> Glycine max

<400> 32455
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atgatttttg tatcaatctc tgaattttac aatgaaatgc ataatgtgg atatgatgaa 120
ggccattatt gttgtatata caagccactt gaccaaagc ttacctattt attaattgatg 180
atatcatttg cgcccatctt tgagctgaat cgtaattgtc aagctgaacc ctgagctctg 240
aaattattat ctccatttac cttgcttacg ttttaggaga gcacattgcy ttacaccatc 300
ttgcccctga ttgaggagat attttgatg gataaattta aagaagtcta aactttgaag 360
cttaattctc aaatgatcga agttgacaaa atacatacac atg 403

<210> 32456
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32456

agcttgcaca caagattctc ctgacctggc acctcaaaac cttcagggtg ggtcatattg 60
atgtcttcct ctaaateccc atgcaagaat gcagttttta catctaacta ctccaagtga 120
agattctctg cagctacaat actcacataa ctctgatggg agtcattctt acaactggag 180
agaagatttc tgtgaaatca attccttggt tctgctgaaa ccttttcacc acaagtctct 240
ccttgatctt tcttctatcg tcggattntt ccttttagcct atagactcac ctattctgta 300
acgctttctt tccttctang aaattagtta aagaccacgt cttattcttt tgaaggggtg 360
tcattctatc tttcatcgct agctccact caatagt 397

<210> 32457
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32457

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ggcattctc tctctttcga atttgcttgg aaaaattggt tccgtgaaga aaatccaagc 120
cgaggcgctt ctgaaacatt tctgtaacgt ttctatgagg aatttcgcga aggtttcgac 180
cgttcttcga tgttcttcat tcgttcttca ttgttcttca gtcttcaacg ggtaactacc 240
ttgaaccaag cttttcgatt ctttctatgt acccgtagtg gtccacattt ggtctctcgc 300
tttttattct gtttcattta ctttttatac ccncttttga cgtgcttaag ccattntatt 360
taagtcattt ctgcttaac ctaacaataa aataaatttc caccgatcgt ttgaattgta 420
ttatccatta acttcggcta anatgaattc cg 452

<210> 32458
<211> 230
<212> DNA
<213> Glycine max

<400> 32458

atggttagcga tatgtaaaga tgatgggtact cgtacttacg atctgggtccg accatgccgt 60
cctgatatcc agctgagaaa ttggcgagtg gatgaacagc gcggcattct ccaacgagca 120

taatgtaaac ctttacggat ataaaagctc tatatgtggg cctatgcttt atagtcatca 180
 ttttgctaag gcttcgagac ttttgtgtac gaattcataa taccaagatc 230

<210> 32459
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 32459
 attacgtgaa ctatagaacc tcaagcttga gtattgctgc attctactaa tatatggaat 60
 tgttcactgc tttgacctgag aataacaatt gcttgaccac aacagcgctg gatgcggcaa 120
 gggacaatgg tctttcaaat aaacctgctg tacatgaaca aacattatat catgcgctga 180
 ccgtgcctaa cgaaccagcg aagtcattgc ataattgcta tactaactat attcaatgta 240
 cctgaacaaa atgatttcca aacacgtgac cgacacatat gatgaggtgg ccagaagaat 300
 gaggtg 306

<210> 32460
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32460
 acttgagtnn agccttattt ntacattcaa ttggcgagcg cctccatcta tgacgtgact 60
 ccatcagaca tgctagtcaa tagcttctga ctgatcgtaa tggctgatac cttcagcact 120
 aaagctcaat tgtcgtggat ccctgcccc ctccgccaga ctttctggta gtgagtgttc 180
 gagactcgta gtgcctcaga gatctagcat tctacttcaa gtggctagga ttattggggc 240
 acttgtgccg aaatgaccga tgataagtgc ttccngggaa ttccttccta cgcttaacgt 300
 cggtttcacg gcgtcgccgg attttgcggg attctttgaa cctgccactt tataaccact 360
 ctccctcgct ttgctccatg gtcaccctga ctttccccg 399

<210> 32461
 <211> 375
 <212> DNA
 <213> Glycine max

tgagatgaag atgtgcaaag caacaaggag gaccctaataat ggtgcatata gagaattcaa 240
aaccttataa taaataactaa ccgattgaca aacgaacgaa gaacgatgta ngactgatca 300
cggctgtgat cggaagtgcc tcggcctcat tntttttctt ctttctcctt ctccttaatt 360
tcactaaatg ctgtcaatat atgaaggttg tatccctttc ttcagcccca tcatgactat 420
ttataggana tgaggngact tgtttgatct 450

<210> 32464
<211> 320
<212> DNA
<213> Glycine max

<400> 32464

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cacaccgagt cgcagtgtaa tttatctttg tgtgaggttt atgttgagta catgtatcct 120
gagggagatt agaacaataa ttccacgcgc tcgcgcgtca tctagacatt taagataaga 180
tgtataagtg tcggcaaata gcacttttta ccatttttgc atatgtccac tatatccatt 240
aatggctaac aattcaaaag caaaactacg cacttatggg aagctgatgc atgaacgcta 300
tgacctattc aatggtcatt 320

<210> 32465
<211> 347
<212> DNA
<213> Glycine max

<400> 32465

ttgcataccc caaggatcca tcagtatatt acttgtgaaa tatagccacg agggcgggct 60
cataggccac tttgggatac ataagacctt tgtcatactc agagacaagt tttattggcc 120
ccgtgtgaag aatgatatcc ataagctttg cactatgtgc gtggcttgtc tacaagccaa 180
gtctacggtg atgcctcatg ggctatacac acccttacct atcccatctg caccttgagt 240
aaacattagc atggacttct gccttgggct atctagaacc caaagagccc gcactctctc 300
tttggcgggt ggataggttt atcaagatgg ctcactttat accatgc 347

<210> 32466
<211> 399
<212> DNA

<213> Glycine max

<400> 32466

agcagatccc aacggtcata aggtagtttt atgtgctaga gacttccagt aaaattttcg 60
 agtcgatcca acgggtaaca aattggaacg aagagaatat tactggggta tttgagtgtg 120
 aaaagctgtg atgttgggca gactttctac ctctgcccggt ttttcttggc tgtgttagtt 180
 catgatgctt ggatgttgaa ttacttggat gttgtggaag cttgggagga ttgatgggga 240
 cccggcgctt agaggaacga ggataagggc tacgtgggag tacgtgagct cagttgaggt 300
 gggcaacagg ggatggtggg tttatgctg atttgtggat gtggagaaat tgtttgcacc 360
 atgccccgac cgccatctag tagcacatgt gatgggtac 399

<210> 32467

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32467

ntggatgcaa atcagtttgg aaaactgagg ggcaagctgg gcatttgtct gctagaggaa 60
 ttatagcagc tactgcaatc tgaacgtgcc caaacgaatc acttaacatt aatagcacgt 120
 tcaccacaaa gaaaattoga ccgttgccctc acacgccctt ctacattctt cattcaaatt 180
 tataatctgct tggcattcgt gtttttaacca gcatttccca atagccttct gagatttacg 240
 aaatcattcc aaacgctctg cttttccatg gctacctcac caaaagaact tccgctcctg 300
 gtcacccgct gtaccatcat ctccgcacca ggaacaacca gaattcaaca tccaacccat 360
 acaaataatt cctgggcaag cttctgtccc tgagaaactg gttccagaag acaac 415

<210> 32468

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32468

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 agattcctta tctcagtcca aaacttcttg attcactgaa gactacttta ccaaccattc 120

tatccttctt agaaacctna tctcaaacgc gccacccgct accttgatgat gctcaattac 180
 ctctctccaa taatttcttc tttaaagaca agtggttctc acccttgagc tgccatcact 240
 tgattctcga atctgtaact tgccgaatat ttgtgtact actcttaaca ccaatatcaa 300
 ggatcaaga 309

<210> 32469
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32469

ctcaagcttg aagggctnln canttataga gaattgagac tctatctct gtatgtataa 60
 tcgttaccgg atgagaagat gaaaggtcta ccaccaacgg gaaggcatag gtccacttct 120
 atttcacaag tggaaaaggc cacattgctt cattatgagt gacattttta atttaactcta 180
 agctgttaat ataaaataaa atcaatgggt cagattacaa ataactcttt atacttactc 240
 nctacagtaa gtagatcccc tcccatatat atatgaagta aaaatagcaa cttttgcaaa 300
 aaaataatac tgcccacctc attattacta tattatctac atctatgact atatctatat 360
 acattacaat tgaggattca tctcacaacc catcttgta cctatcttcc tatgcgcttg 420
 aatttttctg cattcaaaat attaaaacta gtccatta 458

<210> 32470
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32470

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 cttctttttt gtacattata ataactgaaa gtccaatgac cttgattata tatacttttt 120
 ttaatgaaat agtgaaatag gttgagcgcc tatcctttta tttctgagta aacttctcta 180
 cactaagaag agtaagttgc taaagtatcc attttcctta gagagccaaa agtaagtctt 240
 ttctctattg ggcttccaaa tatgttgaga cttttctaag gtgaacaact gaacatacaa 300
 gacaccaat gttttcttgt ttctgggtctt tntaattctc cttgtgttgt gtgattgctt 360

cccaatgatt agtttagttt gctataccga tatttttgat aca

403

<210> 32471
<211> 476
<212> DNA
<213> Glycine max

<400> 32471

tactcaagct tgttgaactc atatgcatga tgatgccatg actcacaaat gtgaggctgg 60
aatatgataa cggacaaatg caggaacgat atgttcatta tgatgttatg aagagatgct 120
tatgcgatgc atgatatgaa tgcattttac ggacacgaga gcccggaaaa ttatctcttc 180
ttacttgccg atttgggggc gcagtgcgcc atgtgtatag ttaagaaggt gatatggacc 240
ttccggctta ccatgacaaa ggacgagacc aacatacaat gcatgctaga gataaaatgc 300
gggagtgacc gactcgact gattttggag aaaaacgtgg gataaactca tcttattcaa 360
aaagttataa ctagtcaaga tctgagcgat aatacaaaact tctagtgcg ttctaatacat 420
atgggtccatt aagtctatca tatgctgaca atagctgaga agtccgcgga tcttct 476

<210> 32472
<211> 300
<212> DNA
<213> Glycine max

<400> 32472

agctttgtta tctactgaag gctctcgaag agtcagatga gggagatagc gttacggtta 60
cagaggagtg gacaaagggc cttgtgggtt atgaggaacc catatgagag aagcgaattg 120
attttgagg aattgttgcc ataagggccc ctgcaccgac ctacagagag gggaatggtg 180
atgaagaatt gcgcgccaca agttaagatt ctgagtcatg actcgggtgg tgggttcgtg 240
actcactgcg ggtggaactc ggtgttgga gcggtctctt ggggtgtgcc tatggcgtcg 300

<210> 32473
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32473

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attttccatc atggagatgc agcgggaagac aaatgaacag aggcgagagg aggcgttatc 120
 cattaaggaa taagccatgg aagaaagagc ttcaccctca agatgagcct tggataagaa 180
 gcttggagat gatgcttcaa tggaggaaaa gaatgataga gagaaataca gacgagggag 240
 catgaaattg aacgatcaac accagagaga tgttgaactt tgagttgtgt ntnanaactt 300
 cctccctcct ctcagtccac aagtgtacac atgcttgtag tatagactac gtagcttcct 360
 tgagaagctc tctt 374

<210> 32474
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 32474
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 cagtttgatt agttcacccc catttttcgt attctgtctca tttccttttg aaacgttgcg 120
 aaactttacg gattacacgg cgaaaagtcc cagcatctca acttcgctga caagaattaa 180
 atggttgtaa acaacgtccc agatgatatt atgtgtgaac ataataattaa tgatgaatca 240
 tcatctcaca taacaccatt gtttc 265

<210> 32475
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 32475
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 aaaaaggtga aaacaggggtt gacacatttc ccctcagctt gcaacttttg cagataacaa 120
 acaacaaatg aataaaagga aatgaaataa cattggagat aaaataaacc ctaaagcctc 180
 ttcatatacc gaagcatcat gggcagcatt tgaatatgca agagcagtgt ttccacaata 240
 gacatcctag ttgtgaagag agtgaggatg aaagagaaga gaacaaatga gaaagtgaca 300
 ctacagtata gaaaaaaaaa ggagaaagca agtacaagaa gagaaggaga atgaccaagg 360
 ataagagaga agagaacacg gattagaacg agagagatag agaagacaac tatcatggaa 420
 ggtgatgaca acaaaaagtaa cgctaacaac tgttcat 457

<210> 32476
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 32476

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 atttaaccga tgcactcaaa ggagttatga taaatatcat ctatgcaact cttattaagt 120
 gttggagaag taaacaatgg gggaattcac tctgctaaga cttaaaatga ttctgaccca 180
 actctgttac ataaatattg aaaagaactt aattattgga tttctatgaa tcatttgatc 240
 gactaaatc 249

<210> 32477
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32477

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 ccgtcatctg agaatcgtgg catcgtgaat cgtctatgct tatcactata tcgcactcag 120
 cgcatctatt agtgtgtgta gtgaacaaga acatcttcta cgatttatta acatttcttc 180
 agaaggcaac aactctcgtg ttttacattg attacatgcc ttacagttaa tcgatcgcac 240
 aaagatgctt taaggcttat anaacntata cctccgtatc gattcgaatg aattacaacc 300
 ttatcgtaat caattacaca gttgcttttt cgcccctgac tgattcatcc acagtctnta 360
 ttttaatcga ttacnatgtg atataatcga ctacttctc 399

<210> 32478
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 32478

agctttccaa agttttctgg ttttccaaac cttgaaaact tgtgctattc atccttttca 60
 ttctcttctc cttttgccaa aacgaattct ccaaggacta accgcctgaa ttctttttgc 120

gtctctcttc tccctctttc aaaagcccc cgcaccccca cctgaatcct ttggtgtctc 180
ccttctccat tgtccaagaa ttcaaaatga aacagtttga gaattc 226

<210> 32479
<211> 290
<212> DNA
<213> Glycine max

<400> 32479

tcttatacaa cgctcactct ggtggagaca ctcttcttc catggcttat tccttaaagg 60
atggcgcttc ctttcacctc ttttcctttg tcttcgccta catctgcatg gcggaaaatc 120
accattaact gaccccatg aagctcatca gatacacgct ccatataatc cccacaagca 180
tgttccatc agaatgtcca cgtttttata gggctacact cccatgcctc tctaggacta 240
cacgccctcg ccttaggagg actacacatg ctaccttag aggactatag 290

<210> 32480
<211> 90
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32480

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acttaccggt gatgatcgaa gaacgatgaa 90

<210> 32481
<211> 577
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32481

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actcacagct atatgcgcgg tggaatgac tgcgacggat cacactctgc ttatatctat 120
cttcgcagct acagacaatg tgcaacgaa gagtccactg atcgcatcac tagagcagca 180
acatgcgttt tagtctagcg atatctgcat acttgcatcg aagagatggt tctctcattt 240
tggcattaga gatacgactc acatgatoga tcctcccgat gagcctctct caaccattac 300

ggaggtcacc tctgttcaca cgaggtgaga cttcctcact acactactca gctcttattg 360
 catacttact tcgactacag gaagcgaaac ataagagttt ntntcccgcc ctctacaccg 420
 tctcactcct gataaataag ggtctgtatt gagngcatt cagaggccat gtgacctctg 480
 acaagacact tgaaacatct tatgatgata gccctttttt gcgagctagg ctaaaggtgg 540
 atttctctat cgctcacc tgatctgtcg tgagttt 577

<210> 32482
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 32482

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 actatctctt ggcattgat cacaccggac aagcccagtg ccttctgctc tctgatcccc 120
 accacgaggt actcaatcaa ctaaaacgcg cctcctcgc taacactgag tttcagacac 180
 agaagaaagc tattcaagct caccagagg atcacgetca cttcaccatg gccaatgagc 240
 tcattttctt aaagaatgcc atctggattg actctagcaa tccattcatt cctgcattag 300
 tacatgagta ccacgcaacc actctcggag gtcactttgg tgtcaagaag accctccacc 360
 atgttcgctc taatttccag tggaccacca tg 392

<210> 32483
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32483

atanaagtct aaggcgctat taaggagaca agttgatgat gctctgagaa tcgatattat 60
 gcgtagcctg cgtgtacaag aacgggttgt gaatggaaag taccttgggc tgctatacgt 120
 gataagctaa aataacaaat tcaccttagc atatataaga gatagattgt ggagaagcct 180
 tcaatgtagg aagagcattc ctttggccaa tgctgcccggt gaggccttaa taaacgcaat 240
 agctcaagca atcgccaagt attgcatgag aatctatctc tt 282

<210> 32484
 <211> 387

<212> DNA
<213> Glycine max

<400> 32484

agcttcatgt tgctcattga ctccaaatta ctgcaaggaa ggacatagat cagtatggtg 60
atctgcagaa gaacatagac cacaaactct tgcaacaagg gaaaatgcaa atatctaatt 120
catggcaagc tgagttacta ggtggccaac gcatcaagtt ttccttcaag ctttttat 180
acagtggatg aagatgaata tgtggccacc tcatggactc ctttaaggac aatagcatca 240
tttcttgac tgaattgttg ggagttggaa gccatcttct caatcaacat tctagcctca 300
gtaggggtca tatcaccaag ggctccacca ctagcagcat caatcatact cctctccatg 360
ttgctaagtt actcatataa atattgc 387

<210> 32485
<211> 284
<212> DNA
<213> Glycine max

<400> 32485

tctagccaaa tggacttacc ttgaattatt tcctttgata ttcttttoga gccttggttc 60
tctttccttg ttctgaagct cactacaagc cttaagtga aaacatgat attaccatat 120
ccttaaagaa ttttgagct ttggaattgt tttgggaata agtgcggggg gtttttgctt 180
cattggacaa cttgctttgt tgactatgct tcatgatgta ttttgcgcca tacttgatgt 240
acattgcata ttgagtaa atgtggacatg ctgaatgaaa tggt 284

<210> 32486
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32486

agcttattgt gtgttgatga ttataacaca tatatatgta tatgaattgt taaaataaat 60
tatgaattaa tagttcaa ataaaaatta aattgaagga aattaatata ttaagattca 120
acgataaata ctttcaatgc attctagcct acttatttat taactttttt taattgataa 180
taatatagtt tggtttaata tatacatggt tagtatgtaa atactaatat ggtgtgacgt 240

gcatatgatt catgaggcgg gataacatgc tgctttggga ttataacatt gtcgatnaca 300
 ctgagtgtat gtgataaatt gagtatgtgt cgaattataa gatacaagcg tattgagatt 360
 ttgtatgcat cgagctgtga gctatgaact atactattac ac 402

<210> 32487
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32487

tattcttnc t attgttcata ttctctat t gcattgaaca gttattttat tggtttaatt 60
 gctaatttgg ttcttatagt tccatgattt gtaccgctta gttcctatag ttgaaagtg 120
 gtcttttttag tccatataat ttgtatttca attgcctgtt agccattgct acaacacaca 180
 cacacacaca cacatgatta actacaaatt tgttatcaca ttattaacta tttcttattg 240
 cacactat t tgcgataaat tatgtatagc tataccttat tntnccccgc ggccttcat 300
 tttctacatg tatntcctca catgttttgt gctacatgtt gttaacatga ttctttacag 360
 cttccaccgc ttaaacttgc tatagaagct agatttgatt ctctatgggt cata 414

<210> 32488
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32488

agcttcacta agatgcatgc catccaggct gagacaccac agggtaaaca aatgacagaa 60
 catgacctct gctttgaagg ttcattctata gaggataaaa ttggataatt ttatagaata 120
 caaatacctg tattcattga ggatacacga atgattggct gaagtctttc acaccttccc 180
 tcatccaaca ccatgcaaag aaaagaacct gttgaatcaa accctctaca tcaaacttgg 240
 atcccttgaa aatgcacgag tttctcatcc tctgagtaca ccaaaccatg gcacaccaca 300
 naagcctcca ctttttcatt actaacctta gaaagtaaag gagttgctta acagttgagc 360
 aacaagccaa agaataata atat tttttga taaattanaa tacagtatat 410

<210> 32489

<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32489

tgaaggcatg taaccaccca tcttctcata gtagaacacc ggtgacgtgt tcattatcat 60
tgttatcatc tacctttcca tcattgaggg cgctacttga gctgccagat ccctccacct 120
ttgggcatat tctttgaaag atttatgctc tctcttacac atgttctata gttgcattct 180
atctggagcc atatcagaat tatactgata ctgcctaata aaagaaacca ttaggtcctt 240
ccangagcgg atccaggaag gttccagatt aggataccaa gtgataggcc gccagtgcca 300
ctctcttgaa aaaagcatta agagcttttc atccttcgcg tatgccccca ttatcttgca 360
gtacatcttc aggtgattct tggagcaagt agtccctcgg tactagtcaa aactcggcac 420
cttgaacttt ggaggtatga cgacgttggg cact 454

<210> 32490
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32490

agcatctact aagtcctctt cactatctct atcgagccac aaccagcttc tgcaggtggt 60
tcagcactgt tacagtgttg catattgaat ctatgcagaa tatcagtagc atatttttgc 120
tgtgtgagaa caattccttc actacaccct tgaatttaat tccagggaaa tatgacaact 180
caccaggtc agtcatgtca aactcatcca tcagattttt cttaaattca ttcacttttg 240
cttcattggt tcctgtcaat aacagatcat caacataaag gcatagcatc ataatgtctt 300
cacccccaga cttcacatac actccatgct tagacctaca tttcacanaa cccaaattgg 360
tcaagctctt atctattttc atgttccaag cacgt 395

<210> 32491
<211> 462
<212> DNA
<213> Glycine max

<400> 32491

tagctgaatt cagatcaaat tgaagttagc ttagctcaac cttggccatt ttagcggacc 60
 aaatcagcct cagatgcaag ggttggacgc taagtgcgtg agacttgcaag cttagcgcac 120
 gaacagagat gcgcttagcg cgaggcttgc gcttagtgaa aggactatctt ttcagaaaat 180
 gttttctaag ttatctttca gttctttttc cacgaaatta aaacccttat gttaaattatt 240
 caaagatagg ctgatatact cctatgtaca gattatatag cagggttccaa atgattgcgg 300
 catgacagac aaagtaacag aaattaaaaa ctgggttgcc tcccagcaag cgcttcttta 360
 atgtgattag cttgacgcac agcttactac cttcaagggtg gcatgaaagt cacaagaac 420
 acatcttctt tgaagtttca ccttttagct agaaatttca tg 462

<210> 32492
 <211> 77
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32492

agcttagaag atgnttgang gtttcttggg tggaaggaag aaggtagaag tcagtatact 60
 acaatacgct gacaata 77

<210> 32493
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32493

ctgtggcgga gatgttgatg ttaagtgtga attgcaacca gaaattaata atgcagggga 60
 ttattgtgta tttggagtga tgcaactttc aaaatggaaa agaagggtcaa gggaaatggt 120
 ttcatatatt tggaaggtag ttgggttggg gatggtggaa aagtgactat aatcaatatt 180
 tactctcctt gtgacataac ttctaaaaga attctttggg atgaagtcaa acaacttaca 240
 actgccaaca atgggggttt atggtgtatt ttacgagact tcaatagcat tagaaggcct 300
 ctgaacgagt angatgtgtc agaggattca gaatggaggc agcctgaagg aattcaataa 360
 ttggattggt gacttggtatg ttgacgatgt tcctagtgtg ggcagaaaat tcacttagta 420
 cagaccagat gtgacaacaa aaagcacaat acatacggtc cttgtcttgg 470

<210> 32494
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 32494

agcttaatct ttggcgatcat ttagctcggg taaagtccaa ggcttcagag atatttgaca 60
 ttatccttaa gatgaacaaa gatgaagctt aagctttggc ttcactccaa ttatataata 120
 tgcttcaaat actcaccatt gactggattc cccccgcgta atccacaaca atcaaatttg 180
 gatactgata aagcacagat gcaagagcac tgtccctgtc tgaaggacca tgcacatgaa 240
 actccttttc accaatctga aaagtcttgt ctgactttctc ttcacaccca aacgacacag 300
 gaacaacatt cagttcagca gctttcgccg cattaatcac ggtctctccc att 353

<210> 32495
 <211> 597
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32495

cctccccgc gcgtaccnc atatctgcac gggcagaaaa taattatgct cccgccaccc 60
 acacctccnn cccgcacgc ggcgcgcgcg ttgatttcg tgcaatacgc acctatanaa 120
 actcaacttc gctgaaccc acatcattga ctcaatatgc acattcgtct tgtgaggaaa 180
 tcgaacagat actgctccct gcaagcaaag aactcttcga tcgcaccaac caaaccaaat 240
 catgctcctt atcacttcca tcatatccat ctgtacctga gctatctttc tcacgctact 300
 ttctgtgctc attgttacca tgcgtccatc cttcacacac tctactacct catcttaaca 360
 aaatggttca ctggatattt gggatatcaa gatgccaatt gcgcctcttg ggtatatgcc 420
 cccgcacagc ttgccacatc ttgtatggt tatgntana tatgaaaaat ttaaacacaa 480
 cagggcaatc cngcacccca ctctgtactg ctcttcaaa aancatcctc ctaacagtag 540
 agctctaagt cttacaactt gcacatcata ctcaccaatc tccacttaac gctgacg 597

<210> 32496
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32496

agcttgactt ttcacttcat tttcttcctt ctaaattttg tggagcctac aagaggtaaa 60
gggggtctctc caacgcttga accatatgct tgttggtgaa cttccttgaa catggtgctt 120
tgaaattttc aagcttggtg tcatccctaa atctatgtgc tgagttgttt tccttgagtt 180
ttttatgcc aaaaatgagtt ctttgcatgt taaaatataa agttagccta aaatttcac 240
caaatcaaag tttcttaaca aaagttacaa ataaaacaag ttttaaggacc tttagtaaaa 300
tggaattttt gtcattaaat tggactgaga gttacaatag tatgtactat ttttattaca 360
gttttgaact caaaaatgaa ttttttaagg tttgaanatg taaa 404

<210> 32497
<211> 455
<212> DNA
<213> Glycine max

<400> 32497
gttgcataca ttcattccct tagtggtatt gtctttttct ctctataaag aatagctatt 60
tacatttcat tcatgcaact catttatatt gtcataagaa tatatttgca tgtctaagta 120
tataacatga acatgccatg cacattgctc tcattgtttt ttttaatacaa gaataaactg 180
tgcattgaaa agtttttcta ggatttacgc acatcaattt agaaagatta atattattaa 240
ttataataga caacaaaaaa actccgctta tgtaaccttg cttatctccc gcccgacttg 300
cgacttttat aaaatatggt cacgtcttta taaaccatat aatagcaaga cttggagatt 360
tttatggaaa aaaacacaca taacaacaag gtaatttgca atttcaaatt cctcatcaat 420
aattatttct ttcattttat ttttttgga tatat 455

<210> 32498
<211> 404
<212> DNA
<213> Glycine max

<400> 32498
agctttgagc aacttcaaac aacaacaact ttttactcgg atgtctgatt gagaccgta 60
atatatccag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataag 120

tttttactcg tatgtttgat tgagcctgta atatatcgaa acgctcgaaa ttgaagaccg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtcccg 240
 agtatatcga gacgctcgga cttgaatgcc gaagctctga gcaaattcaa acgacaataa 300
 cttttttcct cggatgtctg attgagtcct gtaatatatc gagacgctcg gacttgaatg 360
 ccttagctct gagcaaattc aaatgacaat aactttttac tcgg 404

<210> 32499
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32499

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 aagttattgt cgtttgaatt tacttagagc ttccgtcttc aatttcgtgt gtttcgatat 120
 attacgggac tcaatcgaac atacaattaa aaacttattg tcgtatgaat ttgctctgag 180
 tttcgggtatt caatttcgag cgtctggata tattacgggt ctcaatcaaa catccgagca 240
 aaaagttatt gctgtttgaa gttgctcaaa gcttcaacat tcaatatnaa gctcgcgat 300
 atattacgga ctgaatcaga catccgagta aaaagttatt gtagtctgaa gttgctcaga 360
 gcttcaacat tgaatatcga gcattctgat atattacggg actgaattag acatccgagt 420
 aacaagttat tgcggttt 438

<210> 32500
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32500

agcttgtgcg aatcanatca ctctgcatt ntatctctag catgcattct ttntttcttt 60
 acccactcct cacgtttggt tntttaggga aaaacaccat aactaaacgc gccacaaggc 120
 atccctatcg caccagatcc aaatctcaac gatgggtgat caagaggaga cacaggaaca 180
 gatgaaagcc gacatgtcgg ctctgaaaga acagatggct tccatgatgg aggccatgtt 240
 aggaatgagg cagctcatgg agaaaaacgt ggccaccgct gccgctgtca gttcggctgc 300

cgaagcagac ccaactctct gggcaaccgc gcgccatcct ccctcaaaca tagtaggacg 360
gggaaggaac acgctggggc acgacggcaa cccttatctg ggatacaa 408

<210> 32501
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32501

agaattatac aataacactt tgtgcccac catgaagtcc ttcttaatta tcatgctatc 60
atggaacttc ttggtctttt cttttagtaa cttggcattc tcatacgctt ctaggcggat 120
ctcatctaac tcaactcagt gcaactttct ttctcgcca gcttgatcca tagagaagtt 180
gcaggtcttc actgcccagt atgctttgtg ctcaatctca actggaagat gacatgcctt 240
tccaaagaca acccgataag gagacattcc tatgggtgct ttgtaggtag cctatgtgcc 300
caaagagatc atctagcctg gtactccaat ctttcctgct tggctgcaca atcttctcta 360
aaattctctt gatctccctg ttagaaattt ctgectatcc attggtctcg aggtgggatg 420
gtgtggatac cctgtgtaca accccgactt ttagcaacg n 461

<210> 32502
<211> 279
<212> DNA
<213> Glycine max

<400> 32502

agcttgattt gtagtcatac ctacacaaat atatgtatgt gtgtataggt agtaaaaaata 60
ccttgatat gcatgtatgt aatttacgta gcacaacaat acctcacata atatacatat 120
gtatgttttag gtagcaagat accttgccct gcatgtatat agcaacaata tatatgagta 180
tgtttaggta gcaagatacc ttggatatgc atgtatatag caaaaatagc tcacaaaaat 240
atacacatgt ttaggtagca aaatacctta tgagaaaaa 279

<210> 32503
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32503

agtaattcga tgatatgtat atatatatat atatatatat ttaattatag cagtactcat 60
aatgtgtca tgtagataaa tattatacat atatatatag aggtgcataa aagtaactaa 120
acacattaaa tatatatgta agtaatcaaa tgtattatga acattaatat atatataaa 180
aagtgcgtag cgtattaaaa acattaatat ttatatattg acaccttaac ggaagcatat 240
atatttatat attaaacacg ttgccgtaaa caatttaaac attataatan tctcctccac 300
atacacattt gaaataataa cgtaaacggg tatatatata tatatagata tatatatgta 360
tatatatata tatatatgta tatggacata tatacagtag gagagcatat tatacatgtt 420
gctatatata tagtacctgc ctcaatacac acctccatat ttccn 465

<210> 32504

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32504

agctttctcc taagtcctaa aagacatttc aagctaggat taactcactt taatctccat 60
ttaccacaga atccagattt aaccttccaa ctctcaaagt ctactcttt ttccactcac 120
aacaccacat tctcactttc taacctagggt taactctacc cttcatctct aacagtttcc 180
ataggcaatt tcagcacata aacatcacaa gcatcatcat gaaaacccta aaactgaatg 240
ggatatgttta actcatccaa acatggcaag ttcaacatgc tttcaacaag tttcttcaca 300
aataatcatc ataaagcaga aacctagcaa gactacccat catatctccc anaaccccat 360
accacgann atcaaaggag aaagaagtcc accca 395

<210> 32505

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32505

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acctggagat atgtcgcggc ggtcaggaga ccttgnngac gtcaggtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tcccgtccca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcacgtga gtccttagca gtcaacagat aaaaggaaca aagaccacaa 240
 agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgaccgcc cgccatggcc 300
 tcggtaatcg attaccaagg gtgggtaatc gattacaagg ctaacaacat gaagacagga 360
 ggctaagatg gtctctggta atcgattacc acg 393

<210> 32506
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32506

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 tatagagtca cctgatgcat gcaagcttgt ttgataaaga aatgacgacc acgaagataa 120
 tgctggagta gtcttcacat gccaatatat taatggaata caaaatgtac catgaggcga 180
 gctggcacta ttacattatt atcgcggtatg catgacttat ttctgcccc caccaccacc 240
 ctactttttt ttaatctttt tcattaattt cattctcatt tccttagtgt tccgcttcta 300
 cctctttctt cattttttct attctcaaac tacgtgtctt caaaatttgt ttactttcct 360
 ttgtaatact actattaaga tctgtttctt gaatattgtc acgtctgctt ttttagtaca 420
 ctcatacttt cattttctgat cctccaccca ctgtcc 456

<210> 32507
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 32507

agcttggttag ttggaacccg aaggcatccc tttgttgaag acatcggtga agttcacccc 60
 ttccttcttg gaagggtcta acgatggaca aatatgatgg tgtcgcggtt ccggataagt 120
 agttggatgt ctaccttacc caaatcaact atacataagc gatgactatg ttttatgtcg 180
 aatcttccaa acttcattga agggcccacc attgagttgg ttacaaaaa ttcctctgta 240
 cttcatcaat ttgttcgaca ccttgataac ccaattcgac acttagtttg ttgcaagtca 300
 accctatcac ttgacttcta tggcactggt caatattagg caagacaaga agaaacctat 360

<212> DNA
<213> Glycine max

<400> 32510

ctgagatcaa tccatctatg tatcatgttt gattcacact aatcatggat aaagaagaac 60
taagacttaa tctatcactt atgcctaaac taacagcatt caatacaaat gtcatatctt 120
ttaaaacggt tttgacattg taaaatcata gaacaaaaa cctagactaa tcttcaagac 180
ttcaaaatct ttgattcaac aatctcccc tttttggctt tgatcatgcc aaaccaaatg 240
atgtgtattg atattctcct tgtcctttta cctgttctac atcatgctca acaaacatcg 300
cagcactatc tagctcatca tagcatctag gtacatacac aatcaatcat atctttctcc 360
cctctttggc atcacacaag caaaaagtga gta 393

<210> 32511
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32511

agctttgaat gaaagaagat aatgacgacc acgaagacta atgctggtag tagtcttcaa 60
gtgcgaatca tatcaatgga agacaaaagg taacaagaag gcgggcgggc acttatcana 120
ttatcatggg gatatattat ttatatccct cacctttatg atatactttt ttttcatttt 180
ttttatcaca atcatttttt cttttctttc cggccaagt tttttcttct aatagaccat 240
tttttttaat a 251

<210> 32512
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32512

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aaatcttcat gatttacatt ctcccccttt ttgatgatga caaccacctg taggttanga 120
gcaacaacaa agaaaaaata tctatttgca tatagtttac tcccccttgg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca ttttttcat atgtaaacaa tttctcataa 240

acaatagatc atttttctta ctattttatc ttttatcttt ctcttcccct tcgccaacat 300
 caaaaacaat catgaataga gaggagaaag atgttaccac ttgttgcaat gtatgagaat 360
 caagtgatac caaaaggcat taaaacaatc attcaataat aatgaagcac aaacaagtac 420
 aataacacat caatcaaaca caatcaaat 449

<210> 32513
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32513

agctttcaat cttatatatc ttatgcgtgt gcttctgtttt cttcatgcat aaccaacaaa 60
 agtattgact tatgtcagac aaaaatctat taccacatta ttagttgtat aattaagtac 120
 aaaagtgaga ggaatttggt tgctatcgca aataatctta ataccaacaa gtgtccaaaa 180
 gttaagaagt aaggaccact ctaaaataat cgcgccatac ctatatcaaa catgcatgat 240
 gtacctgtct ctataagctg gcattgccat gtcacttcaa acactttntg ttacantttt 300
 agtttctttc aaaatttata attaaatata aataaaaata ctacaataac taaatatata 360
 aatgatagta ttccattaac taatatta 388

<210> 32514
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 32514

tgagctgacc gttaagcgag gtgatgtgct ggacttatct tgtacgctaa gcgagttgtc 60
 ccaatcttca actttttctt cacagctttt tctttacgtt ttttcatcaa tcttctata 120
 aacacttgta atttttctt ttttaaatac tgttggtaaa aaattaacat gatattaaat 180
 tcctcattat ttcattaataa acaatagtaa attaaaagaa ttctaatacat tattagtcaa 240
 gatggactat caattatact taacattcac agttatcaca tgacctgcac cctccaacac 300
 catgattata acttgctgtg tagttgtcaa taatatgact gttgtcgata tccattgtgc 360
 cacaaccgac attgtgacca tcgtcatgaa catcagtgct gtaccaacat ga 412

<210> 32515
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32515

agcttgatct ttttagttntt tatctctaata cttaaatccc tgaacgaact attcaagttt 60
gtaattcgaa cttaattat cttttaattc gttcctaaag atagatcgcc aaatctgttg 120
ctaactgcac attaattctgt taaagactca cagattcatg tgtccagtat tttcgggcaa 180
gatgtcctgg acatcgatg cgacattcgt ggatcctgca gcttcaattc ttcatttgac 240
atattatctt gccttggtgca ttgtgcaagc caatctgact ccttgacata acgtggacat 300
catgtgcagc aacttcagct ttccttcaat gtctaagtgc ttat 344

<210> 32516
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32516

tcagatntca gagctcttca gagcacaaaa ttcattgctct tctcttcttc tcccttcatt 60
catctccttc ttactccaag ctcttatcca tggcctccta tggcggcgag cttnttctag 120
actcatcttc tcttgaagt ggtgtctcct ctctcttttc cttctccatt ccgccggcat 180
tcactttcca agaagaaaag gaatccattg atgaagaaga tcctacgcct acaagctcca 240
atggagctta caccatgtgg tatcaagagc atctccatct aggggatggt ccttcgctcc 300
ctctatcttc tgtccggaga aatctctnta attacttggg cttcatctta ttctccatgt 360
atatactcca ttatcttgtg agatggcgct gtctagagt 399

<210> 32517
<211> 295
<212> DNA
<213> Glycine max

<400> 32517

agcttgaact tccggctgtg cgatactggg gaaaaattgt ggcacagtag aacttgaata 60

atcctccacg gttactcttc ttggctcttc agccatgatt gggctcttcaa caagttctat 120
atgagaatgc cctgcaatag gcaactagaa gatgcctcgg aagatcgagg ttattcttct 180
agagttgtcg atgcttctaa atcctgcaaa aaagttctga ttctctctga actacgcctt 240
ctacaagtgg tgttaatctc caaatcaatg ggaatcaaat cacctacagt ggatc 295

<210> 32518
<211> 326
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32518

tgcanaatgg gtcgggtcaaa ctccgagtat cgaccagatt gtagaacagt tggatcatgag 60
ctgacctaaag gtacataacc cctcaatctc gaaggcaaag cttggagaga ctaacaggtg 120
taaagtactc agtatttata taatcgaagg atacacaatc cctcagtcctc aaaggcaaag 180
cctataaaga cgaacaggtg cacatgactt ggtatttata caaccggagg gtatatagcc 240
cctcagtcac gaaagcaaag tctgaagaga ttaaagtgtg aagaatccca tntacacaac 300
tggatgtaca tcagccatca gtcttg 326

<210> 32519
<211> 369
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32519

agctttgaga cgcattgtgaa ccttnggcac catcaaaaca ttcagcttga tcctttgtct 60
acaaatctct ttcatggcct accgaatgaa gacccatattg ctgccttgc cacatacata 120
gagatctgca aactgtgaa gatacccgac ttccagaaga tgccatcggc ctcaacctat 180
ttcttttttc cttggccgat gaatcanaaa gatggcttca ttcattcaag ggggaagggtg 240
gagatctcat cattccacca attccctgat gaatcattaa gtgaagctct agaccattta 300
tatggcttac tccagaagac tccaacccat ggggttcaacg agcccggtta gctaaatata 360
ttcattgat 369

<210> 32520

<211> 126
 <212> DNA
 <213> Glycine max

<400> 32520

tgcaactttc agaaccatgg gagaagatga gtgaaggatc tatagattaa attcttgaga 60
 caaaaggggtt aggggttgaga ggggggtgggc tgctgcacac aaaagaaaga taatggaagt 120
 tttgag 126

<210> 32521
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32521

agctnnttatg tgaaaagatg tgactcttcg catttgaatt tgaatttcaa tgttcaaagg 60
 tactggtaat cgattaccaa aacattgtaa tcgattatag ctttttgaaa ataattggaa 120
 cgttgtaaat tcaatttgaa aacttttcga aacaattttg ctactggtaa tcgattacaa 180
 caatctggta atcgattacc agagagtaaa aactctttgg taaaagggtt tgtcaaaaac 240
 tcatgtgcta ttcaaatttt tgaaaaactt ttaataactt atcttgattg agtattctct 300
 tcattcttga atcttgagtc ttgaatcttg atcttgattc ttgagatctt gaaccttgaa 360
 tcttgattct tgactctaga ctntcttctt gagtcttgaa ttcttcttg 409

<210> 32522
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 32522

tgttacaacc agtattgttt atcctaccaa atcaggctca tacacaaaga agaagatata 60
 tttgtttgat tgcacagtga ctaacactca atcgtattac agacagataa acaatcttag 120
 cacgtactct tttctctcaa aaaaatcaag gtattttgag agctatttta aacttcaaaa 180
 gaatttacat aaagtgattt ttacaaaaaa gaatttgaat gagtgcttta gttgggttctt 240
 catgtcttca acaagtgttc aatgtctcta aatggataga tttctctctt taaagctcgt 300
 ttgaaaaatg tggcattggg catttaatgc ttgattgcta gcatgtactt cttcaaaaac 360

cactattctt tgctaacatg ttgaacactt caacaagaaa tcacttcctt ttgtgtcaga 420
gcatgtttgt atagt 435

<210> 32523
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32523

agcttatcgg attatggngc acccgtcatt tgtggtacta ggtggcgatc gggcgatggc 60
acaaatcaac tatcccatTT ccacaagtca agcataagca caccatcccc aattgcccac 120
ctttaaatnt agctcacgtg cacgttgtcc cttctctca ttcctctcag ccccggtgcc 180
ccatcaaccc ctccaagctt tcacaatate tagacaatte aaattcattt gtcatgaaac 240
taccttaaac aaagaaaaat aaagtggagg cagaatcttt gcaca 285

<210> 32524
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32524

tgcatgattn tacattctcc cctttctcaa gaaaattctt aattcttctt gacatcatca 60
aaatcttcat gatttacatt ctcccccttt ttgatgatga caaccacctg taggttagga 120
gcaacaataa agaaaaaata tctattcgca tatagtttac tcccccttgg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca tatttttcat atgtaaaca attgtctcat 240
aaacaataga taatttttct tactatttta tcctttatct ttctctctcc cttgtcaca 300
tcaaaaacaa atctgaatag agaggagaaa gatgttacca cttgttgcaa tgtattagaa 360
tcaagtgata ccaaaagaca ttaaaacaat cattcaaatt taatcaagaa aaaataagta 420
caataacaca tcaatcaaac acaatcaaag acaatcaatc atc 463

<210> 32525
<211> 294
<212> DNA
<213> Glycine max

cccatcaatc ctctcaagct tccacaacat ccaagcaaaa caacattcaa actgcacaag 240
 ctatcacagc caagcaaaac agagcatagg cagaaaactt tgccaaaaca ccaaccaaat 300
 cacagctttt ctacttaaa gaccccagta acaattcctt cgttctggtt cattaaccgt 360
 tggatcgact cgaanattnt actggaagtc tctaatactt aagcctacat 410

<210> 32528
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32528

tctcccttat ttgctataaa tagggggaga agtgaagaag ataagggttc agcctcttan 60
 gcacttctct ctctctcgaa attgctgagg aaaattatth cCGTgaagaa natccaagcc 120
 gaggcgcttc cgtaacgttt cCGTgagaaa ttacgcgaag attctcgacc gttcttcaag 180
 attcatcggt cgttcttctt tttcttcaat cttcaacggg taagtacctc aaaccgagct 240
 tttcaattca ttctatgtac cCGTgggtgg ccacattntg tttcatgtat tnttattccg 300
 ctttcatctt cttttatacc cccttttgac gtgcttaagt catttattta agtcattttc 360
 cgcttaatct aanaataaaa taaatttcca cCGatcgtht gaatagtatc atccgttaat 420
 tntggctaaa atgaattccg accgttcggg cgtgccgtaa ccacg 465

<210> 32529
 <211> 372
 <212> DNA
 <213> Glycine max
 <400> 32529

agcttgcccc ctagaaagcc atcgttcatg cacagagaaa ggaggggaaa attgggaccg 60
 actcttagca aacaaagaaa gagcgtctgt caactggthc cctcgatgga aagaaggaag 120
 aaccgggggt cttatttcat gcacggattt ccgaatgthc ccttgatggg gacaaggggt 180
 tgcatacgtt acaatcctgt tcttgctata aggcaacttg gctaccctat gagaggggca 240
 ccgctagagg aagagctcgc gcctatcatt tcacgaggtt tcaataagac caacgtggag 300
 acacttcaga aggtccgcaa ggcattgggag gtgggtgcaa agaaggaaa agaactcagt 360
 ggcagtaaca at 372

<210> 32530
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32530

cttcttttga ccttgaacag gcaactaact cctcttttcan aaccatgcta tgtgctcgcg 60
actggtcctt ttcttccttg agttcactat tgctacccca tagagctccg cgaaatttgt 120
tccgaccata ctcttccttg cgagccctct tggctctctg ttcaaaggct cttgcggcaa 180
ttgcattctc ttcccgtaac ccggcacact ccttcccaac gtgtgtancg gccaaactga 240
acttctcctt ggcaagtntt gcctttccta actcgtntnt gagagccgga cttcttcgctc 300
ctcttcagtg gcttaaagct ctctttgctg acgactttta acttggcgag ccaatctaaa 360
cctcgtacat gaactttt 377

<210> 32531
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32531

agcttgtgaa atcaatggaa tccaagattc tgcttgacac aagtcgttca attttgttct 60
tagaaatgtg acctaagcgc ttatgccata atgctcctga gtttgtatta tcaattctac 120
gcttagtacc atgcaatgag aattacacac gaagctacag tatcaagtaa atatagatta 180
tcattaacca agagtgaacc agttccaaca atatctgaat taaaagacaa cctanacaca 240
ttgtttccaa atgaccacaa ataaccgaat tatgtccaaa taagaaactg ataccaaatt 300
ccgtctaaat gacggcacaa caaaagtgtc tttcagatcc aaataaaaac tagtacataa 360
taataatcta aagtgcctta tagcgtccac ttccaccgat ttacca 406

<210> 32532
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32532

tgaatgttaa tagtgcattg gagaagagag cgcgataggg tacacggaga agaagagagc 60
ggagcacaat aggtcgcattc aaatataatt taaaatgtac gctcaacatc ggttttcaat 120
aaaaaactga tgtaacaaa ttgatgagaa cgtaaacatc ggttttattc aacaaaccga 180
tgtaagggt gcttccttaa catcgatttt ttgaaaactg atattaacgt cgcttcgttc 240
acatcagttc tcttcaaaac cgatgttaag gaatacacat tatttanaat taccacccc 300
atttacgtaa catgcggtnt gtgaaaaacc gatgttaatc cgccgatgtt aaatctggtt 360
cttctagtag tgaaccatac catcaatatt tcagttgatt gataaaata 409

<210> 32533

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32533

agcttcaaca ttcaacttcg agcgtctcgt tatattatac gactcaatta gacatccgag 60
tataaagtta ttgtngttg aatgatctca gagcttcaac attcaatttc gagcgtctca 120
atatatgacg ggactcaatc agacccccag taaaaagata ttgtngtctg aattggctca 180
gagcttctac attcaatttc gagcgtttcg atatatgacg ggactcaatc atgcatccgt 240
gtaaaaagtt attgtcgttt gagttggctc agagcttcaa cattcaattt caagcgtctc 300
gatatatgac gggactcaat cacgcatccg agtacaaagt attggctcgtt gaattggctg 360
agagcttaac aatcaatttg a 381

<210> 32534

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32534

tcggctcttg atacaggttc tatcctatcc tattatTTTT ctttgtaatt tgtctaggtt 60
cgtgttttgt ccttgttttg ttatttgctt tcttgtttac atcttgtttc gttattgttt 120
gcgtcttgog ttctattatt tgcgttcttg ctcttgtttc ttgtgtcttt cacactctgt 180

gtccaaaaaa aatcgcaaaa aaatttgaaa aataaagtgg gtgtttgatc tttgaacacg 240
aaattgagggc atttacaggt attttttttg anagaatatc gtggatcaaa ctccctattc 300
tacattctct ctgaattctg agcattttga tatatagtgt gcctcagacg gacaaccgta 360
gcaaaagtta tgagcattcg aagtttactt gccatatctg gtatcttatac tggatatctta 420
tctcgtatcc tatctcgtat cttatttgc tcatat 457

<210> 32535
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32535

agcttggttt gaggtactta cccgttgaag actgaagaac gtcgaagaac ggtcaaaaac 60
cttcgcgaaa tcattcacgg aaacgttact gaagcgctc ggcttggtt ttcttcacgg 120
aaacaatttt cctaagcaaa ttcgaacaga gagaagtgcc taaggggctc aacccttttc 180
tacttcactt cttccctat ttatagaaaa ttgggggaga agcttgccac caagctcgcc 240
caggcgagca ggggtgcttc ctccagaagc aacagccttc tggaggaatc ttcgggaggg 300
cccaagtggg cctgggtgct atttgcaccc ccacttttac taaatacacc accttgccct 360
tttttggaga tntctttttt tgaaagttac ggaaacttac 400

<210> 32536
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32536

tcttatccaa ggctcatctt ggtggtgaag ctcttcttc catggcttat tccttaatgg 60
atggcgctc ctctcacctc ctttctttg tcttcgctg catctccatg gtggaaaatc 120
accattaaag gacccattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180
gcttccatca cacggacctg gtacttttgc ttacttttg ctctggactg ggctcgctta 240
ttggctgacc atgtgtcgta ggcagtgctc taacctttnt gtggataagc tgcgcggctc 300
tgcaggtggc gcggcgctc tgttgccgc tgcgtccaa ctccaagctg ttgtggtgctc 360

ttgccttgcg cctgcttggc ggccaatact tcttgatgaa agctcggcta gtatggcgcc 420
tgatgacctt 430

<210> 32537
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32537

ttgcgtagcc gctcttggtg aagatataat cacgcgccac atatccactc ttatgactag 60
catattttga gacactctag agacttgaca tgaacatacc ttccaacacg atgatacggtt 120
cctactgtac tgtttgagtg acgactgaca aggaccacaca caccggacct ggatgatact 180
tcatacacta ctttatgata agtgagtata tatgataata gtcttgagcc cgacgcaaaa 240
gataaactg cagtattatt ggcacttac taacttcacg gaccagatat cacgcngata 300
acaccatcag acaataattc caaccaagag gaaatcatga ctacacatag cagacgcaat 360
aacagaccag aacgcaacac acacaggccc aagtacctaa gtgacttctt ataatgacca 420
ctggagatgc aaccccgatc cc 442

<210> 32538
<211> 282
<212> DNA
<213> Glycine max

<400> 32538

tgcttctaca gttttgtacg atatatcagc caattgactc tgtgtgtcat taaactctaa 60
tatgcactcg cccctttgaa catggccttg atggatccga cgccttattc aatatgcttt 120
gctctagagc gccgaatata atttttggat agattgatcc ccttcatatt gccacaacgg 180
atacgcatat gtacaagctc tcagccatta tcagagagtt gctgtctcat ccaaagatc 240
tgtgcacata aacttcacg ataaatatat tccgcttctg ca 282

<210> 32539
<211> 400
<212> DNA
<213> Glycine max

<400> 32539

gaatgcccta agatgatgat ttgtttggaa actggtatta ttttaacatcc tttctttctca 300
 atgtgactat gcaagtcatt atgtcagcaa atattcacac ttttttaaaa tcttcctctt 360
 ttgcaaagtg aaattcactt ttggcttgaa gcacatgaaa aatatgg 407

<210> 32542
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32542

tgtagaatgg ctagacatga tacatgtcag ggtttggtt ggttcaagga taaaagggat 60
 gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaact ttatgcaaaa 120
 ctggtcatgc atgcacctat gtggacactc aagtgtcaaa ttttttatgg tcatgtgatg 180
 ctaaggctca cgactcatth cctctattht aaatcaaccc aatgtttcca aaatatgttc 240
 ttttatccat ttgtgcattc atccgagtc atttcgggcg tncggcaaat ttcacagcat 300
 tacccttcag gtgtagacac attttccaaa aattggttat gatcaatgaa tttttttcaa 360
 agaacagttg gaagtcattt cttttcaaaa gcatgt 396

<210> 32543
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32543

agcttgatag cacgcagaga ttaacgtcgt ctcatgcgcc cttegtcatt cgcggccgac 60
 aagcccgttg acacgcggag atttacataa tcttcgcgc tcacaagata tgtcatactg 120
 acttttgagt cacgctgacg ggccgaatac ccgagtgggt atccgtataa acctttttgc 180
 tatctgtaaa acgaaaagcc tgatagcacg cagagattaa cgtcgtctcc tgcgccctta 240
 gtcattcacg gccgacaagc ccgttgacac gcggagattt acataatctt ccgcgctcag 300
 aggatctgtc atactgactt ttgagtcacg ctgacgggca gagatacccg agtggttatt 360
 cgtataaaca ttctttcttg ctatctgtaa gacgaanagc ctgat 405

<210> 32544

<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32544

tgtaatcaag gaaatcatgg ttattgctc ccatatacaa ttccagagag gccatggngg 60
agggaggaat gaagatgatg ggtaattcta gccacttcg gagactcgag ttagttgggt 120
aggggtcaaga aagaaattct gagagagaaa gaatgaagat gataacgagg aatgaagacg 180
aagatgattg gtttcggaac atgcatatct atactgaaac agaaacaaat ttcttgtgat 240
tcagcatcca atccattctt ttcttttctg ggagttggaa gatgcagccc acatgccgga 300
natgaattac tatcactatt cttanaccag tagtgtacca tttcattaca atttctggca 360
tctatataca cacgcctaac ccacctttgc ccataccctt ttcattgttg aagaggtaac 420
ataccaagct atgcttgagt gggttacttt c 451

<210> 32545
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32545

cggncggcgg gntttgagac cttgccanta cccacacttt tgataatnna ccatctgagc 60
tgtgnanagg antgaagcta tgataccacc tgttgtactt gtgggcttac atatgaataa 120
gaaagggggg ggggttgaat taagatttct caagctattc ccctccgtat tgagtttgct 180
tggatctcga cccgagacct cggaggcctt gtaacgtgaa ttcctaaatg tgatangac 240
tgcccctacc ggtagaagct tttatgttat ttatatgtat gaagtgtctg gactatgata 300
tgcacacgcg attcttatat tgggtcggca tagtatcttg cgtaagtcca aacccaaga 360
gatctcgctc ggatgtgaac attataacat gtaatttaaa cctattgaaa cagacgacga 420
aaacttttct ttgtctcgga gggcttcgaa aatagaggga ggtgttgacc acgtttcgaa 480
cgatgagatt acaagagcgt ccgtcg 506

<210> 32546
<211> 135
<212> DNA

<210> 32549
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 32549

atgggtgacac tatatgatgg gatcaaccat atcatagcat actacagaat ctaatatattgc 60
 tctataatct ttatatattctt tcaacgaccg atcgctagtg tactacacaa gcattcacca 120
 tgtaaaactgc ttgcttctat tacactatgt gggcgactct ctccctatgca gatgatcaca 180
 tattcctgta atacaccgaa aggctaactt tgtttacaca cgaaaatgat cttcatgatg 240
 actatctacg gagatataat gatgagatgt atagaatgta atcttaaaaa cat 293

<210> 32550
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 32550

tatggactta tggtttctat cttattgtga aaattttcta ggctttggag aaatataggc 60
 ccttgaacat actagctatt tcattgaaag gttggagaaa gagcttgaag agtatcatca 120
 acaccttgca aagtttaaaa aagggaaga ggataccggt aaagatgtta gttttgttcc 180
 atattaattht aaaaaaattg tctatacaat gcttgattta gaaagaaaaa tgtcataaac 240
 aaactcgtht tcttgcttct ctgtcctctg caagttggaa tatatcataa cattttataat 300
 aaattgtgat ccagttgatg ttttgaaagt gtggcaaagc acatccacta gggattatga 360
 aacagtttga ttacactaga caagtataat ttaaaatcaa aatgatgaga agagaataag 420
 tggaaaatga ctaagctata taagtgttt 449

<210> 32551
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32551

tagcaaccag ccccaaacc aatttttgtc gaaaccaagt gtcattgattt ctatattacc 60
 aattttgcta gctgttgatg ttgcatcata gttttgctat gtcattctacc tttgggtctca 120

tctctttacc ttacaattca ggcaattota tcattaccct ttttcaatat atagaattgg 180
 caacacccca catattaatc caggaaatc caccactaat agtcagccta taatccataa 240
 ccaatgaagt ccccatctc caatttatc catcttctaa ttttattgta gtttctgcag 300
 atttaaaata agcgtctggt tcttctgttt aacataaatc tattgcttag cttataatc 360
 acccaattct gccttttagtc attntcaaca tgcagaacta tcaacatgca aagagatctg 420
 attatacaaa agccaggatc aacagaaaac gtattat 457

<210> 32552
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32552

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 ggacaactgt ttaatggtac atacgtgttc ggtgcaaac tagtagcact ctaaaaaat 120
 aggccgctgt cagaggcctt ctcatctgact atagtttaaa aaatgcaata atgaagataa 180
 gcatctctcg actggcgtaa gaatatcaag tagaaaagaa accattacat gtaagcttgc 240
 gcgggttatcc ataatcaggt cattcttgat ttccctcaaa cggttccctt cttttacagg 300
 attctgaatg tgtttggtg ttccctcctga agatgaatat tttggaagtc cctagtagac 360
 gtaaatttct tcaaaaacttt atactntggt tgggaagatt agactgcaac tggttcactt 420
 ac 422

<210> 32553
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 32553

tcttatccaa ggctcatctt gcgggtgaag ctcttcttc catggcttat tccttaatgg 60
 atggcgctc ctctcacctc ctttcttttg tcttccgtg catctccatg gtggaaaatc 120
 accattaaag gacccattg aagctcaaag atcaagctc catagaagcc ccacaagcaa 180
 gcttctctcc cgtggaatca gagcacaaga gcttcaagta ggtgcacctt aaacctccat 240

taattatttt tctttacott ctcttccatt gttgattctt catTTTTtct catgtatctg 300
 ctcacatgtc ttgttctaaa tgttattaac atgattcgtt agagtttcca ccgattaaac 360
 ttgctataga agtttagattc 380

<210> 32554
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32554

tgtgatggat agcaaaagga gtatgagttt agtatatact tatgtgtgga aggaaaaaac 60
 ctttcggcct tatgtctccc taaaaccctc ttttgtgctg aaatacttta ccccaaaaca 120
 cttctccttt tctccaagaa acccaccatt ggagaaacct taagctttgg tgttgtgcaa 180
 aaagcacctc tcccctctcc ctttagtttt tgttgactgt cccttgggtga agtaatctac 240
 ccctcttcct ccctttgttc catTTTTccgt ttctcataaa acatccatgg gagctcatga 300
 ccaagattgg gttttggggt tttgatttcg ctctgtggcta tttttgggtt tggggcaata 360
 ttgctgagat gaacttgncc ctggagtcaa gaaaagcttc tcncttggac ccaaagtcac 420
 catTTTctct ctctctcac 439

<210> 32555
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32555

ctctccccaa ttttctataa ataggggggag aagtgaagta gataggggtt cagcccccta 60
 ggcacttctc tctctttcga atttgcttga aaaaattgtt tccgtgaaga aaatccaagc 120
 cgaggegett ccgaaacgtt tccgtaacgt ttctgtgagg aatttcgcaa aggtttcgac 180
 cgttcccgac gttctcattc gttcttcate gttcttcgat cttcaacggg taagtacctt 240
 gaaccaagct tttcgattca ttctatgtac ccgtgggtgg ccacattgcg tttcgtgtat 300
 ttttattctc gtttcgttta ctttttatac ccccttttga cgtgcttaag ccattntatt 360
 taagtcattt ctctgcttaac ctaacaataa aataaatttc caccgatcgt ttgaattgta 420

ttatccgcta acttcgggta acatgaattc cgaccg

456

<210> 32556
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32556

gttcgattca ttctatgcac ccatcatggg ccacattgtg tttcgtgcan ttttattctc 60
gttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
ctcgcttaac ttaaaaaataa aataaatttc caccgaatgt ttgaattgta ttatccgcta 180
acctgcccc caacaattcc gaccgctcgg tcgtgccgca accacggttg aaatcaaaaa 240
gagataaaaa aataatataa ataaaaaaca acatctttta gtaaaataaa gcggaaaatc 300
aattggacgt tttctctctg ggatctctca ttcttaatcg aattgattaa taactaaagc 360
gaaactaacg ctaatatcaa ctgccttagt caagctcgtc cataaaaaat 409

<210> 32557
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32557

tgccaccag ctgcccaac atcacaacaa cttttgaatc aaaggatctt gcttctatga 60
cacatgctaa gctatttggg aaattaaggg aatacgaaat ggactagata ataatgggtg 120
aggaagaaga aatagacaaa cagattaagg gcttggcctt gaagaccacc attctgttaa 180
gcgcgatagt aaaatgacaa tgcaaaaagg ttagatgcta agaactctaa ttttcttgta 240
aaatgggttag acaaatttct caagaagaag aagaagaatt ttgatgatag aacctttcag 300
taaaaaaaga acttcaagaa gagtgaaccc tcttctcct ctggctntac atgctntgag 360
tgctacaaaa caggccatat canagtagat tgccccacct accacaagaa gcaat 415

<210> 32558
<211> 441
<212> DNA
<213> Glycine max

<400> 32558

tgagtgagcc accactacta ttatTTTtgta tagtggaaga atctccatat tggagaatta 60
 gaatcgatg ctcccattac taccttcctt taattactaa gtgtctatct taaacttcac 120
 gaagtggaaa agtttgagtt ttcccaacac ttctaacaaa cattagaata aatatttaca 180
 tctgccattc caacaatcca gattttgtaa aataaatggt tcctaacatt tttctactat 240
 taattaaatt tatttgaaat aataaatttt ggtgggtggt actttaaaat ttggagagtg 300
 atcgacaaat tactaaatga aaaagtgaaa cttaataaat atgttgTTTT caataaattc 360
 tattcgataa tataccctgt taagaagagt gttagagagt gcccgTcaat attcgTctta 420
 ttttgtctca tctaccattt g 441

<210> 32559

<211> 318

<212> DNA

<213> Glycine max

<400> 32559

cgacacactg accgctacta tagcttgaac atgacactta tttcacaacc atcggtcttt 60
 ctcatcatct cccaaatgct ccatataata tatttctttt cagcctcaaa cttatcttat 120
 cttgctcaat aaatgcgcgc atgatagggc actaccctga atctgacata atactcccc 180
 ccacactcca tctattggtt cgaatggatc tctttgcatt atacagcatc accttatctt 240
 tgaccttggtt ggcagcaaac cgaagacata ccacctgtcc aatccaattc ttatgctagt 300
 cacttagcta ccacctac 318

<210> 32560

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32560

ccaactattt aatcgattgt cttaccgcga caaaacatgt gctaaatctc aatcaaacaa 60
 aatcctaatt aactcttata gtgtgtccgc acggagaaac tcacaactct aaaaaaattt 120
 aaattctaag aatttccaat attccaattg aaattctctc attctccaaa ctttgtgttt 180
 ctcccccccc ctccaattat gagatgaaaa aatgaatga acaaaaagac aaaacatgat 240

tgctatgcta gttatacgta ttgctcctct atactcacac tccatcgata ttttangagc 300
tcacacgggtg tttc 314

<210> 32561
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32561

cgctactnac acgctatatc tcttttgtaa gactattaaa cattatacat ctcttacaat 60
ggaagacaga agatacacia tactactatt cctaagaaca ctcccttctc cttaataatg 120
atcattccta ctctctattc tttcacagac atcactttca aacacctaac gcatttttccc 180
ccctcctccg cgactgaat ttaataggat ggatataaaa ttgacacgag tgaccttctt 240
actcccttga agtggtctgt ttgcgactcg tgatatcacc gtcaaaacga gtgtagctcc 300
cccacgttga gacctatgcg ccttgctctt tgccacacac aacttctttg ataagtctat 360
cttaaagact tcccattcct cacaacgatt atcccgatta tactacctta cttggaacac 420
tcaccaaaac aaggtccc 438

<210> 32562
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32562

tatcanaatc tactcttcta ngaacttata gaaagcttca cattctatct tatgaataag 60
gtctcaatta atctgaacat attgaatgac ggtgtgtttg cgagaacttg tgtaggccta 120
tcttatgaca taaatgccgg tgtaagtgtt tggatgagct catgacagta acttacgata 180
tgtncctccc tcgccccaac taatttcaat atnctctata acatagctta tgaaaacaac 240
ttaaccgctg tattaaaaca gtttaatat tcatcttcaa ttctcaaaat actttttaca 300
taagtgccta catgtgtgta attggataaa caacttaaga acttattc 348

<210> 32563
<211> 458

<400> 32565
 ntatactntn tatatgttaa aatcttaggg aatccttata atatatcaat aaccaccacg 60
 aacacattct gtcagattat caagagaggt tatgaagaat acctagatcc ataatacgta 120
 gcggaattaa caattataag gagcaattga ttggtgatct tcttcaacca aatcattggt 180
 ttccttggtg agacttcatt ttctcctcaa atggggagaa gggaagttgt ttcttgattt 240
 ggtgtattgg ggaccacaac catgctttgg gtttttaacc tattagagtt ttcattattc 300
 cctaacgggc caaacctatt tccactttta agcccatatt aattttctga tgatagccta 360
 ataggctcac caaattagat cacttatatt gagcccatag aanaatataa ataactaata 420
 taaatgttat aatataatat gtagccaca ttaatt 456

<210> 32566
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32566

ntgtataatc tgagatacta gtctacaata ctaccagatc gaatttataa aaccatcttt 60
 cttaaataat tgaggttcat aatcattagt ttttttttaa atgatatatg aacagtgcag 120
 cttttttgtc ttggttataa ttgcattgat ccataccact tggttacgag cttgcttaga 180
 aactcaataa ttagagctac ttgatattat tgtgtaattt ttttgaaact gattgcgagg 240
 aactgtcag caactcagca tatattcttc ttcttttttc attaactatc agcatatatt 300
 ctatatttcc aaattttagt ggacgatata taatagtttg atattttgat tcatagtctt 360
 ctatgtgtca gtgtatttat tatacatgcc ccggcctttt cttagctccg ggaccaagtt 420
 ctacgtaaaa tacaattata t 441

<210> 32567
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32567

tatagatnta accaatgctt ctatctagtt tatggttcta ttatcacttc agaatgtttg 60

tctgaatttt tcttcagaat gtttgtactg aattttatat atattttcttt cttactgaat 120
 tgtgcggtgtg cgtgtattta tttattatgt cttcagttgc ttttatcgct gttcttttgt 180
 ttccccacc taccctttgt aacgaatctt tttaatatgt aagctcattc ttgctcgcta 240
 ttgtatttgc tctttaatca ttgactgac cttttttggc tggatgtacg gactgcgtta 300
 gtgagttcca cttcaatcca gtcttgaaca tcgaactcga tcaaactatc catgtgctta 360
 ttgactgagc tgatcgaatt acaacatcaa atatttttac cgt 403

<210> 32568
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 32568
 tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
 agcaagacat gaagagccaa tggttgatac atggacagag atgaaaaaga tcatgaggaa 120
 gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccga 180
 aggcgcacgg gggcgaggag tatttcaagg aaatggatgt gctcatgatt caagcaaata 240
 ttgaagaaga tgaggaggta actatggctc gatttcttaa tggtttgaact aatgatattc 300
 gtgatattgt tgagctgcag gagtttgttg aaatggatga tttgcttccc atagcaatcc 360
 aagtggagca acaattaaca aggaaggag t 391

<210> 32569
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 32569
 tcatgatgaa tcacgattaa ttcaaagaag tcttgatgat tattaatagc tcaaagatca 60
 agactgagtt caagattgaa tcacgaacac ctcacggttc ccgaggaact ttgatcttcc 120
 gaatcaagaa tcaagtttca agattcaagc ttccatgaat taagatctcg attccggaat 180
 atcccccca ccccgacac ttaataggga aagtatgaat ttttct 226

<210> 32570
 <211> 450
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32570

tgggatactc ctcgactntt atatcaaaat ttgtttgaca taacaagtcc ctccaagcca 60
agctattagg cacgttaacg ttcagtcca ccaatccatt gatccactct atatatactt 120
ggtagttttt cattccctgc ccgacacgtt cagcgaatg ctcaaaagcc acgaggatcc 180
gctccctctt ctccgtaatg ataacgtttc ggcctctcat tggtttttca ggcacgcggg 240
aaagagattc ttggatttgg gaaaatgaca gaaagataca taccatgtg ctgatgggtg 300
agttgagtgt gtttgaatgt tcaacagtag tatgcctgag agagaattgt ttctctggga 360
acaccatctg gcatgtcatg gctatatatg aatgatattat ataagtactg catgtatgca 420
gccatattgg atctttgtgg gacatgggat 450

<210> 32571

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32571

tgctgccaaa acaacagaag tacagatata atagatggaa ctgttggtta atatctactc 60
catatcccc ctgcaaagaa tccaaactcg ttcgacaatt ttatctgaat ccgaaatagt 120
tactgtagac tgtgtgtcta tatatatata tatatatata tatatcaaaa gacgttgga 180
tcccacatga caaatcagac aacaattttt gggagtgtga aacatggctg ttgtagtga 240
tgggtggaagg gaattaaggc tgagtgtgat tgacagacac aaataaagcg actcttcatt 300
ttatgactnt ctccatgaaa ttaggtacta ttatgtccga ctctctaaaa ttattagggc 360
tcctttaaaa aggtggcaag ttttttttct ttctttctct tttcaaat 408

<210> 32572

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32572

tgatcaanac anaatctata cattogaatc cactcaattc atacaactct cattcatttc 60

aaacacaacc attcatttca aacaaaacaa accactgaat atcaaattca actagttcat 120
 tgttcaaaca tgcttttgta caagctacac aactcaaac aacagaaatt taaaagacta 180
 ctccagcata actaaataac tgacatgaac taaatagctg ataaaataaa ctattcaaaa 240
 ttgcaaaaaa tttaaaaact atgcaggatt caccatctct cccttgataa tggggaaagt 300
 atctcaccag ctctcaaac ttggctggat atttagccac aatcatgttt ccctgcttga 360
 gctccaagaa ctccatctct ttcttggtcc taacttcctc gggaaagtat ntctncaaaa 420
 ataccctctt ga 432

<210> 32573
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32573

taggctaaat taggctaaaa ctnttgtaag ctacttgagt tgagtctagt cttacatgag 60
 ggatttgcg acgaaactca gtttaagtta gtctaaacgt aagaggactg tctaaattgg 120
 gcctggctctt acatgagggg tctacggacg aagcttggat taatatggcc tgatgagcat 180
 cgaggctaag taatttaggc tacaacatag aacataagag catgattgat tagagaaata 240
 tatttctata catcagcttg ttgttagaa agacctaaca tttctaccta ctgctatcat 300
 ttttatttac cttgcattnt atagttctag cataaaagt tagtttaa at tctgtctaaa 360
 attatcactt atacatgtta tctcaacaat gttcaattc taaacttaag tcacgctaac 420
 attagt 426

<210> 32574
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32574

nttaaagaat catgctnctg gaaaatcata taaattgtgg tcaactcttaa ataatgatt 60
 ggtaaagaat cacacaagat aaataattat agaaaaataa aatatattaa aatttcacat 120
 caattataaa taataacaaa ataaatttac aaactgcttt tataagatta atatatatat 180

atatacata tatataatat atatatatat atatatatat atatcacatg attaataaaa 240
cattctctcc tcttttccgc tctggccttt gtgttattgg agagagagat atcaaggcct 300
cgccctctat atattatgtc tgtctcctaa ttttaatgct aactcacaca aattacatgt 360
ctaaaaattc ttatctgaat accgatagtg ttctttcgtc aag 403

<210> 32575
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32575

ntcacaacat ccaagcaaaa canaattcat acagcacaag ctattacagc caagcaaaac 60
agagcaaagg cagaaaactc tgccaaaaca ccaaccaaat cacagctttt ctcaacttaa 120
gacccagta acaattcctt cgttccggtt cattaaccgt tggatcgact cgaaaatttt 180
actggactct ctaatattaa gcctacattg tgaccgttgg gatctactag caaacatcca 240
gaactcattc tgtactactc tttccacagc caaccacaca caagcatttt tctgcacaaa 300
gccaaaattc tgctgcacct attttgacag caaaattctg cataagtgcg gattttcgaa 360
aatcacactt tcctcatcc aatattgcc taatcaattc ctacaagtcc cacatcatgt 420
atcaatcatg tctaaaccaa agtcaagctt tanagcaca c 461

<210> 32576
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32576

ntntatccaa gacactctct tgggtggtgaa gcttctactt ccatggctta ttccctagt 60
gatggcgct cctctcacct tttctccttt atcttctact acaacttcat ggctaaaaat 120
caccattgaa ggacccatt gaagctcaaa gatccagcat ccatagaagc ttcttaagca 180
agcccatca agtgtatcag agcacaagag cttcatgtag gtgctcttta aacctccgtt 240
aattttcagc tataccttct cctccattgt tgattctgca ttctttttct ccatctattt 300
cctcacatgt cttgtgttga atgttggtta catgattctc tagaattttc accgattaaa 360

<211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32579

taacananag aaaacaatag acagaagaaa gctntacaag atggttgacc taagaagatt 60
 atgacaacaa agaacactat tatacaagggt tggcatgttc taaccaaagt agaactgaaa 120
 gactgaggtt ttttttttaa agttgttgat tattctttga gttaatattc tattaatttc 180
 taacccgccg tcgccttatt cattggcagg tgtttatatt aatgaaacaa gttatgccct 240
 atacatgcat tttgcatcca atgattgaag agatggatga aattatagtt gcgcaagcca 300
 cggcacatgc cgggttaattg agaaattaat cccaaataag tataaaaatt aaaatacata 360
 tataatgctn tacaaaaatg gcatataatg cctataaaag ggagggagat cctttagctt 420
 aagcattcca attntcacga ctatacttac tatatatata 460

<210> 32580
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 32580

taatagacc tcgtggaggt acagcagtaa gaagaacgta taaaaccatt ctagaagcta 60
 ggggtggtga tgtaaacaga ctataggccg ctaggattgt tagttagctg ttacgtaact 120
 aactacatgt ataaaagcca tgcacgaacc cgtgaaggga ttatggaaat aatattctca 180
 tttccagcta gatctttctc tctctctctc tctctcgtag aatatacagt ctcgaggaat 240
 gctacctcta gcattggtgc tttcattgca tctctccgc catggctgat gcaacacgat 300
 caaagacaag catggagcgt tgggaagacg cgtttgcaaa gctctttgca tccatgacgt 360
 taaagttcga cgaacttctc agccatataa atcacctaga aagcctccac gccacaatc 420

<210> 32581
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32581

gttcgattca ttctatgtac ccgtagtggt ccacattgtg tttcgtgcat ttttattctc 60
 gttgtgttta cttttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
 ctcgcttaac ttaaaaaacaa aataaatttc caccgaacgt ttgaactgta ttatccatta 180
 cttcggctaa ataaatttcg accggttcggt cgtgccgtaa ccacgttaaa aatcaaaaag 240
 aggtaaaaaa taatataata atcaaaaaga catcttttag taaaataaag cggaaaatca 300
 atcggacgtt ttctctttgg gattttctcat tcttaatcga attgattaat aactaaagt 360
 aaactaaagg ctaanatcaa ttcgcctagt caagctcgtc cataaaaaata ggctcttgaa 420
 gtttgtcatt tcattntctc actaagtaaa a 451

<210> 32582
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32582

tgattcgtga gttgattcta accttggttt cactttgatt attagtcaat taattcaagg 60
 aaacttccaa agaaaaatgc cggattgatt tttttttat tattttattc aaagatatatt 120
 tgattatattt attattattt tttcaagata ttttgattat cctattatta ttttgctttt 180
 tccgcccact cacgttacaa cgtaaacgat cgggttagatt ttactttaat agtgattaaa 240
 caacattaca ataccaatga tcggntgaaa ttcattttat cattttattag gcgagataac 300
 ggcttatata aactgttaaa gcacgttaaa aatggaagag aagacaacta acagtaagcg 360
 aaattaaagt gaaagtacac aacaagtcgg gaccactaag ggtgcataga atgaattgaa 420
 agattcgat 429

<210> 32583
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 32583

cggtgacaat aattgggtga aaataatata tcagatgaaa gataaatagg caactgctca 60
 tatgcacaaa agtttcattt gtgggatcaa aacaacgtca atttgaag gtattaaatc 120
 attcatcaag cgatatgtgg agaaaaagaa tagcctggtt gatttcaaca ctactagaaa 180

attcctttta acgcggttct aatatacatt taacgacggt agttgaacca tctttgaagc 240
 caacgacatt aaaagtcatt gatgtaccat gacgattatg gaataaacca tcttaaaaaa 300
 tatgtctctt ctaagatggt tcttatgtaa ga 332

<210> 32584
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32584

ggcctaatta acctgaaatt gagaganaat gattattaaa cacacaaaat ggaagtacta 60
 agtattttatt atctatactt aacaaaaaaa tacttataac actacaaaat aaccataaat 120
 tggaagagtt tgatacaatt tacataagtt ttatacacaa aagttattca tatttaccga 180
 cgatcttctt acattcttat tagcagcctc aactgcccc aatcatcttg gccgataaga 240
 cgtggaatta tgggtgttga ttttgaaatc ctcacacact ttcttcatca tattgttgtt 300
 taaattgggtg gcattatcag tgatgatctt tntgggcaaa ccatatctgc aaattatttc 360
 cttcttaatg aacctaata ccaattcca agtcacacta gcataatgaag ctgcttcac 420
 ccatttgctg aagtaatcaa tgggtgactaa atg 454

<210> 32585
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 32585

taatccatcg ccactttaac taataaatga aaaattattc atttaattga tactatgcta 60
 atcatataac aatgaatttg agattcatat tacctcgtaa ccaacggata cgatgggtgtt 120
 caattaactc ttgctgcaat gaagagcatg cgataccata cccagattg caacaatgcc 180
 cacagctacc atgggttttg catcaggggtc agtggcacta cacatttctc tgtacatcgt 240
 tgccagacaa gtagagcccc aactatacca cctgactcgg tcgagatcaa ccaacacagt 300
 gaggtacatc aatgaacct gatttcccat cttgtatggc attaaaacc caccaattag 360
 ctgcaaaatg taagctctac aatgtgcttc taactacttg tgtgtcgggt ccaagtgaag 420

cagtggcata ttatcttgca accactta

448

<210> 32586
<211> 188
<212> DNA
<213> Glycine max

<400> 32586

tgatgtcgag cgtactgatg ggtaccatga ggtgtcttct gtggtttgac ccacgcgggt 60
gtcgaagaga ctgcatgggc atctccttcc ttcctttatg ccccggttgt cccgactctt 120
ttggcattag ccctcgcgga tcaaacgtaa tcgaaccttc ctcttttcaa cacctaatag 180
ctcccccc 188

<210> 32587
<211> 302
<212> DNA
<213> Glycine max

<400> 32587

acatttatct gtatggtgat ctgcacaaga acatagacca cagactctcg caacaggtgc 60
agatctttga ttcattggcaa gctgagttac taggttgacc aacgcataca attttccctc 120
aagcttttta tttttaataa atgaagaccc cccccccac ctcatgaact tctataaaga 180
caatagcatc actttttgca ctgaactggt cggagccgga acccactttc tcaatcaaat 240
tcctgacctc aacaggcgtc atatcaccac aggctccacc attggcagca ttaatcatac 300
tc 302

<210> 32588
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32588

taatccatcg ccactttaac taataaatga aaaattattc atttaattga tactatgcta 60
atcatataac aatgaatttg agattcatat tacctcgtaa ccaacggata cgatgggtgtt 120
caattaactc ttgctgcaat gaagagcatg cgataccata cccagattg caacaatgcc 180
cacagctacc atgggttttg catcagggtc agtggcacta cacatttctc tgtacatcgt 240

tgccagacaa gtagagcccc aactatacca cctgactcgg tcgagatcaa ccaacacagt 300
gaggtagatc aaatgaacct gatttccatc ttgtatggca ttaaaaccnc accaattagc 360
tgcacaatgt aagctctaca atgtgcttct aactactggg gtgtcngctc caagtgaagc 420
agtggcatat tatic 434

<210> 32589
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32589

ccccctgtca cttctntcac agtcgacgag gcagnttgag agaaagttca acacgtcacg 60
ctcacacata cccctctccc acaaccgagg cgcgggcgcn ctgctgatac actcgtatta 120
cgtncactat atatactaca gctacgcacg atcttgaca tcacgacaac tacaacagtg 180
tctgcttctc attaaagagt gcatcattta cattcagaac agggatgact atctgaccga 240
acttgctgat gttgttctgg atacctccta ccagcataag tctcaatgta tgatacccta 300
tcttcacacc ataaccattg gttgactgcc ctgcggccag caacggccaa ctggacgtgt 360
atacaagtag ttgcatcct tatgaatgcg atctcacata taaaactcgc ctttctatct 420
tctaagact cattcagacc ttgcgaaact cacctcgaat gctctctcac ccatctgact 480
cgaagatgta ttcttctca catcacctat ccagactatt ccgagccaca ctatagccat 540
gaacccatgc tcgacatcca cctgttcttc catatcgccc ctccccccgc cg 592

<210> 32590
<211> 514
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32590

cgacggcgcn gnnnncttga gacgctggta tgtacgcgca ctatgaataa tcatgtgcct 60
cgagatatca ctaaataagc aacgcgttag ctacgaacgc tctctatcgc agctaagctg 120
acgcggacgc tgtgctgcat gagattgtcc acaactggta cctatttcga ggaatacggg 180
ccacgacctg taatacgggg ttcaaacgcg atactggcta taatggcgaa aggacttggg 240

<223> unsure at all n locations
<400> 32595

tctagccana tggacttacc ttgaattaat tcctttgata gccccttga gcctatgttc 60
cccttttctt tgttttgaag ctcattacaa gccttaaggg aaaaaccatg atctcacctt 120
aaccttaagg aattttggag ctttgaatt gttttgggaa taagtgtggg gggttttgtt 180
ggacacatat ttcgtggcta tgcttcatga tgtattttgg gccatacttg atgtacattg 240
tatactgggtt aaatgttga catgctgaat gatatgctat ttctcaaag ctatagttaa 300
aaaaaacaaa aaagaattta gttgaatcaa ttcgaaaaaa agacaaagaa aagcaataaa 360
gttgagtga taagatctta catggaaaaa gaatgatgag actcttggct ctactctctg 420
catctaaatc ttatctttag gttctcttat cttttctt 458

<210> 32596
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32596

tctagccaaa tggacttacc ttgaattaat tcctttgata gctcttctga gccttgtttg 60
cctttccttg ttttgaagct cactacaagc ctttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttggagct tcggaattgc tttgggaata agtggtgggg gtttttgttt 180
natcccacca ctcgtttgtc ggctatgctt catgatgtat tttgggccat acttgatgta 240
cattgtatat tgggttaaatg ttggacatgc tgaatgaaat gttgtttcat aaagggttaa 300
gagttcta aa 312

<210> 32597
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32597

tgttcctatc anatattgta ggacaataaa gaggtataag gtgaggatgg aatagttgag 60
gcatagatac gatgcaagct cgataaagga gatgaaggct ctacaagaga gtctaggcac 120

acttctcgtg taggaggaga agttctggca gcaaagggaa aaaaatcatt ggcttaaggg 180
 gaaccaacta ctagactttc aggccacgac atcacggcgg aaaggaagaa acacattaaa 240
 gaagctccaa ggagacaatg aggttgaggt tcatgatcaa gatggtatgt atgaggtagc 300
 aaaaaatatt ctactgattt cgttactgtc tcgaataagg tttatgagcc aatggttgag 360
 gtgataaatt gttgcatctt agatgaagat aatgagaaac ttactgcaat gtttagttta 420
 gaggagttaa tagaggtagt gtttcatatg gataac 456

<210> 32598
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 32598

tctagcgtac ccgctattgg tgctcagaaa atcctaagaa cttattcctc ttattactag 60
 ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgttgctc gttcccgtat 120
 tagttttttg caaaaaagaa aattaatctg aaacaattca agctgaatcg ttatcgttat 180
 tattcccagc accatacgaa taacagctaa acaagtaatt taaaatgtaa cttttaaatt 240
 atgtggtatt tttttaatta caattctact tcaatatcta atcttgtaa tctacttagg 300
 ccgattgtta aatatcaata tgaatttaaa ggtgatctac tgataatata aagtacttgc 360
 taatcacaaa ttatgatagc tatcacttct aaatttaact tacttctata aatat 415

<210> 32599
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32599

ctaatttcat gcacaaatga agggataaga ctccaaaaga ttntttgttc acaaaggcca 60
 ataagctttg gtgtaggctc tctttgacaa ggctttgtga cactttcagt gacccccttg 120
 gcagccaatt tgaacgtgcc aagccatacc acaaatgggc atttttactt ttgcaaaac 180
 aacaaacatg gacggataag atttgccaaa aatgggtatt ttctcctttt accaaaacca 240
 gtaaataatta tcttaattgc gtaggttatt gtgttaatct ccctaggaat acatgtacct 300
 agagtaatcc tcatacagag aacactctca cacatagtta aattacactg tgctcagtgc 360

ataatgcaat ttcactactg atgaaattnt ntatctaggc agtttccaat ttatgtcaac 420
taactaaata aattatttcc acagaaaata aataaa 456

<210> 32600
<211> 448
<212> DNA
<213> Glycine max

<400> 32600

tgtagatctt taatctccaa tacttcttca caagtttatc aattcatgat gataaaatga 60
gtgattcttt gatcaatctt tagactaatt gcagtgttat tcttttcgaa gactctcttg 120
aaatgttttt ctctaaattt gaacaaatca agagtatttt taaaagaaaa cacatagggg 180
ttctataaat ttgacagtta aaacagatcg aatcgattat caaacaaggt aatcaattaa 240
ttcaacaaaa tccattttgt tttgcatttc tagaaactgg ttaatcaatt attagatagg 300
gtaatcaatt aattcatttt agtatgagaa tatttgtaac gatttagaaa catttaatgt 360
tgttacattc ttttagggta gaaaaatcat tatgccatt ctatatatta ctcagactca 420
acacacagcc tagagagggtg gtcgacta 448

<210> 32601
<211> 456
<212> DNA
<213> Glycine max

<400> 32601

tgtaggatta tggggtaccc atcacatgtg gtactagggtg gcggtcgggc gatggtgcaa 60
aacgattctc cacatccaca aatcacgtat aaccaccat cccctgttgc ccacctccaa 120
ctgagctcac gtactccac gtagccctta tctcgttcc tctcaacgtc gggccccat 180
actcctccca agttccacaa catccaggta attccacatc caatcatcat ggactaacia 240
aaccaagcaa aacagggcaa aggcagaaaa ctctgcccaa aactcacacc aaaaatcaca 300
gctttttctc acttaaggac cccagtaaca tttccttctg tccaattcgt taaccgttag 360
atcgactcga aaattctact ggaagtctct agtcataag tctacatttt gaccgttggg 420
atctgtact aaatgtccag aaccccatat gtacta 456

<210> 32602
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32602

tatgctgcan atattttacaa tagacctcct caacctcagc agcaaaatca accacaacag 60
 aacaattatg acctctccag caacagatac aaccttgat ggaggaatca ccctaattctt 120
 agatgggtcca gccctcagca acaacaacaa cagtctgctc cttccttaca aaatgttgct 180
 agcgcaagca gacatacatt cctccaccaa tccaacaaca gcaacaaccc cagaaacagc 240
 caacagttga ggccccctcca caaccttccc ttgaagaact tgtgaggcaa atgactatgc 300
 agaacatgca gtttcagcaa aagaccagag cctccattca gagcttaacc aatcagatgg 360
 gacaattggc tacccaattg aatcaacaac agtcccagaa ttctgacaag ctgccttctc 420
 aagctgttca aaatcccaaa aatgtcagtg ccatttca 458

<210> 32603
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32603

tcctcggggcc attcctgcga gagacaacat tcggaaagtt tagtttacca gagggacatt 60
 actcttaaaa caaagatggc atacaacctc ttcccatata catgaatgtc tatgtacagc 120
 cagcttatgc gtatatttcc ttacaaacgc cccattgcgc aagacattct tttaaataag 180
 cccctcgccc atatacaatc aaggcagett ngttacctag attatttaca tgtacttccc 240
 aggtgtatatt gtcacttaca tcacacacat ctcttggtt aaacttacat gcatgcatac 300
 tcagagcatt ttgcggtacc acaaattgca catgtgcaca tccttggttt tctaataacct 360
 atacctacc aaac 374

<210> 32604
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 32604

tataagcttg accaacacat caaacctcan agaacaaata actacaaaat tttaaacagt 60
aataaacata ccctaaaatg atagaggctt gcaccgaatt ttgttctgca tgttttccat 120
tggatgtcaa atgtagtttg tcttcgaaga catatccaga acttgaggta ttggctgagc 180
ctactgcacg cataagggca aggatcctta tagcctttgc aaacggaatg gacatcacac 240
aacttatgac cacaaggtag atgtctgctg gtgttgata atgatggctct atactgattc 300
agatccctgt cctgcattac agatgccnc atataaaaga gagcatctgc caatcaatca 360
ttgaaattaa cagctaaatt tcttaccct cttgcaagaa ctgttggtga agtccacata 420
tgaacattca aagtatatta ttatttac 448

<210> 32605

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32605

cttcgattca ttctatgcac ccacatgggt ccacattgtg tttcgtgcat ttttattctc 60
gtttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
ctcgtttaac ttaaaaaataa aataaatttc caccgaatgt ttgaattgta ttatccgtcc 180
cttcgctaa acgaattccg accgctcgggt cgtgccgtaa ccacgttgga aatcaaaaag 240
agataaaaaa ataataaaa taacaaaaaa catcttttac taaaataaag cggaaaatca 300
attggacgtt ntctcttgg gatttctcat tcttaatcga attgattaat aactaaagt 360
aaactaaggc taaaatcaac tcgcctagtc aagctcgtcc ataaaaatan gctttcgaag 420
ttcatca 427

<210> 32606

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32606

tggagaggat gcttcaatgg agganaagac agagggagag aaagagagag aggggagcac 60

gaaattgaag gaagataaag ggagagaagt tgaacattga gttgtgtctc acaagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagacgct ttcttgaaaa acttccttga gaagcttctt tgagaaaact tccttgggaa 240
gctagagctt agctacacgc acccctctca taactaagct cacctccttg agaagcttcc 300
ttgagaagat tcctaaagaa gctagagctt agctacacac acatttctaa tagctaagct 360
cacctccttg agatgagaag ttagagctta gctacacatc cgctataata gctaagctca 420
ccccacgac aagatacatg anaaaacaaa aaagtcctta ct 462

<210> 32607
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32607

ctatagatac taagcttctn cacgctntcc tccataccta gaacttcaaa ccttcgattc 60
tcaactcgatt cttcaccaaa tcgcgtcccg taaagcccaa tcttctctt tttcattcct 120
ctttcacttc caccgatcaa aatccagaaa aacttcatca aatggcagag ccatcaaaga 180
agagaaaggg atcatcctcc ccgctaccgt gctgcccac gcggtcacgg cccatccgga 240
gcacccacag cacctattcc tcttctttg tcacttccaa gatcatcaac attgttttca 300
tccgatgac aacgtctacg gtatctttct cagttttctt ctagaataat cttagaccct 360
aagtacctag acgtagagtt ctttaatgat gaaacgtttg attgctattg tcgcaaccta 420
cccttcggtg ggagggcgac gcgagactcg cgggatgcgt gttcca 466

<210> 32608
<211> 445
<212> DNA
<213> Glycine max
<400> 32608

taattccact ttgattcct taattattct ttttagtgca ttccttaatt agtataat 60
tacactttcg gtcttctaata caactatata tatagacaat ttgattctct ttgtgacaat 120
cccaaattat tctcgtaaaa atattttatt ttaatatatta atcaattcta ttagggctat 180
tcaactgcca ttatacctgt aattaataat tgattattat aattgattgt cataattaa 240

caatctatcc ctgagtagta gtctccatgc aaaaactgta natttgcttg gcacctttaa 420
 tttccacagt tcaacagaag ctacatcca 449

<210> 32611
 <211> 435
 <212> DNA
 <213> Glycine max
 <400> 32611

tgatttgtga gttgacttta gccttagttt cactttgggtt attagtcaat tgatccaagg 60
 aaacttccaa agaaaaacgt ccgattgatt ttttttatta ttttattcaa agatatttta 120
 attattttat tattattttt caagatattt tgattatttt attattattt tgcttttttt 180
 ttccctcacc gcagtacagc gtgaacgatt ggtagattt tgttttaaca gtgattaaac 240
 gagaatacaa cacacatgat cgggtgaaat tcattttatc atttattatg cgagacaacg 300
 gcttatacga tcgggttaaag cttgttaata acggaagata agacaaccga acatgaacga 360
 aatgaagatg acagctaaca caataagaaa tgaattgaaa gtctcggatt caaaaactta 420
 cccggtgaag aacga 435

<210> 32612
 <211> 451
 <212> DNA
 <213> Glycine max
 <400> 32612

tctctgcatg atgaattgcc aaaatggatg gatccatgct tattgatttc ttttctgtgt 60
 atgtgacagg gggggaaaag gagtgatggg cgaacacctg acggaatacg tccaattaac 120
 tcgagatgtg gcctattacc tatagcacat ggaagtactc tttttacaag aggcgagaca 180
 cacgctctga ccactttat ttgttttcca gtttatgctt ttgatgatat ctgttggtgt 240
 ctatatatgc ttatgcaagt cacattatct cttttctgtg tttgttagtt ctattagaag 300
 ggagatagaa tgatcaaaca caaaggagga acaaaactaa taatgctgac tccttggacc 360
 tttaacacac ttctcattta aagtctccaa ttgtaatcaa cttggatata atctagaaac 420
 tagtgattgg aagtcagtat tctgattact c 451

<210> 32613
 <211> 205
 <212> DNA
 <213> Glycine max

<400> 32613

tgagatgacc gagctgcat ggagcgcagc tggacatagc ctgtatctta atctagcttg 60
 atccaatctt catcttattc caagctgcta tccatggact tctatggatg cgagcttctt 120
 ctagaccag caattcctcg aagtggagac tccgctgtct aaaacttatt cataccttcg 180
 actctgcctc tccctaataa aaacg 205

<210> 32614
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 32614

tttgtttgtg gagtcgcctt tgatctcaac tgtaccatat ggaataacat tagtaacaac 60
 aaaaggacca atccacttag acctcaactt accactcatg agtccaagcc tagaattata 120
 caataacatt ttttgcccaa ccacgaagtc ttttttaact atcatgctat catggaactt 180
 ctgctctctc cctgcagaac ttggcattct cgtaggcttc tatgcggatt tcatctaact 240
 cactcagttg caactttctt tctcaccag cttgatccat agagaagttg caagtcttca 300
 ctgccagta agctttgcgc tcaatttcca ctggaagatg acatgccttt ccaaagacaa 360
 cccgataagg agacattcct atgggtgctc tataggcagt ccgatgtgcc caaagagcat 420
 catcaagcct 430

<210> 32615
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32615

tattacataa gagatccacg aaggagccca aaggcgtgtt tagcacgaat cccgcgctaa 60
 gcgagctatt gccgccatac tcaataagcc cagacgctgt cgtgctcagt gcatgatcac 120
 accgtcatac ctactaagct cagaagggtg cacttaacgc gaggtcgcat aaattttaac 180

tctcctcggc tataaaagga ataggaagca naggagaaaa atgcaatgag actcatagct 240
ctctattgaa tacactcaaa gcctgaacat ctctaatagg ggaaaccctc cttcttctat 300
agtcattttc tacttttctt actttatcca tccttattct tttctgggat tcattattat 360
taatcgcggc ttgactaccc atgctaattgt attacttagg aaggaatgca tttaaaaatg 420
ggtattttct agagaactag aaaatgac 448

<210> 32616
<211> 450
<212> DNA
<213> Glycine max

<400> 32616

tcatatggag ccattgccaat ggtagaatga acactattgt tatatgtgaa ctctatcaac 60
aggagagaac actcccaact ccctttttgt tctaatacat atgctcttaa aaggtcctcc 120
gacgactgaa tgggtccgttc agttcggcca tcagtctaag ggtggtaggc tgaacttact 180
ctaagcttgg tcccaacgct ttgttcaaac tcttccaaaa cctagagggtg aatatagaat 240
ctctatcaga cactatgcta gatggcacac catgtaattct gacagtctca ctaatgtaca 300
gggagcgtaa cttctctaag gaaaacctaa tattgatggg gataaagtgt gtagatttgg 360
tcaatctgtc aacaacaacc caaatagaat caaaacctct ggggggtccta ggtagtccta 420
caacaaaatc catggagata ctatcccacc 450

<210> 32617
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32617

cgtagcaaca aaatgcanaa catttctaaa tcaagctggt ttaaaagggtg aattntgcag 60
ccatgggaag gaagattaaa gataagcatt ctgaatcata ttgggtcaat catcaaacag 120
agtgcaagag gactcttttt agtattatta agtatcatcc cctattgtgt catttctttc 180
cagacttgct acaacagggg tggatgatgaa agaaatgtta caggtagtg cattttcctc 240
atctctgtac aagttctcct ctttgccatt ctactaatca ttaattgatg tagtagcacc 300
tagaatgaat tttgtgctct aggttaattg ttaagagaag aattttttat atctaactaa 360

tttatatatg gaaattgttt gagcaaaatg aaattctctg aagctttgat caaaacatta 420
gcaaataaca acggaattct 440

<210> 32618
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32618

nntgatttta aatcttgggg ctacgagaag ggagattgga tgaaagactn tgttctctag 60
acaagtcttt atgatttgag cctatgataa atctacttgt tggattttca tgaaatttat 120
attattttac tctatacaaa atttgaaaca atttcatggt gaagcccttg agagatgagg 180
tcatctgacg cccattgtga catgcaaggc gactaccttg ttttgcaagt tgtgtctagt 240
aatgtgttgt tttctttaat tcttggctta tgtagttgtc aacttgaaaa attgggttaca 300
ttttattaaa ctagaaagaa aattattttc aaccatataat attagaaaaa ttatggattt 360
cagcttcatg ttctaaaggc aaaagcaaaa canagtggct gcaagaaaga cattctgtga 420
agtatagaaa aagtgttggg aagaaaatct tact 454

<210> 32619
<211> 448
<212> DNA
<213> Glycine max
<400> 32619

tgcagaagct cttagaagct gtctgtgat ctgtcaccat agcctatgct gtagcctcca 60
ttatgaacta tattttgtac tatctgtcaa ttctcgtatg tatatacaca cacacacaca 120
catctcagca aacaaaggct gaggatcctt tttgtgtgca tattttcata ctcaaacatt 180
tcaacattat gaacatattt ttaaattata tagtttggtc ttaatactat caataaatat 240
tattataagg tcaacataat aattattata ggacaaataa taatgacgtc gcgaaatcca 300
tgtagcagac ctcatctagt ggaataaagc gtttgttgct aattacttga gtgtttggca 360
ctagactatg actttggtca ttgattctga atatacttat aattttgata ccttgtaatt 420
attagcatgt atatatgcgt agtataaa 448

<210> 32620
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 32620

tcataaatcc atcactttta atattctttg tacacaaact tatttgatgt taatttaaaa 60
 attatttgct caaaaaggaa aaattaaaag agaaaaatta caaatccta tataatttaa 120
 ccccaaaata ttctcataat tagtagttat cactcacata tcaacacatg ttcaaattta 180
 cacttacctc aatctcataa caatgctata atctcatgat tcatcgtata ttcaatttat 240
 cacttacaca caattttaat tacaatttca tgatctcaat ataacaattt attacgctaa 300
 tatagtaatt ttgtccaaa tacaacaaa ttatacgaaa atgtttctca caacatcagg 360
 aataaacccc ctcaacaat ttcacataat catatatgaa gaacacaata caatatatat 420
 gccacaataa accccaattt gatcccctaa ggatctctac a 461

<210> 32621
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 32621

tctaagtgt gcctagcgtc agtcatgaaa tcaagtcgcg gcaccgaaag aatcaacaat 60
 tgtcctacag gtggtggggc tcgcgaaagt gtgtccgtga ccacgttggg tacaccggcc 120
 ttgtactgga tgtgatactc ataccccaat aatttggaga ggtagtaatg ttgcttcggg 180
 tctggatacc tgcatcatca actcccagag gctcttgtgg tcggttagaa tggatgaatga 240
 cctaccaag agatattgcc tccactttct tacagtcgca acgatagcat gtagtctctg 300
 aatatacgta gaggcataga ggagctgatg gccaaagcctt tactgaagta agc 353

<210> 32622
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32622

tctagccaaa tggacttacc ttgacttaat tcctttgata gtccttttga gccttgtttc 60

cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat atcaccatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtgtggg tttttgtttc 180
 acgcataaca tgtttgttgg ccatgcttca tgatatattt tgagccatac ttgatataca 240
 ttgcatattg gttaaagtgt ggacatgctg aatatgatgt tgtttctcat aaggctacag 300
 agcaaaaaaa atatatatat tataaaaaaa atcgaataag acaaacagta aagttgagtg 360
 aataagacaa gaatgatgag actcttggtt ctactctnta tgtttaaatt ttatctctac 420
 ttctttgtat cttcttatgt tttcttaata tgca 454

<210> 32623
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32623

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 acctggagat atgtcgcggn ggtcaggaga ccttgnngac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca agccgggcat agtcggtcag tgagaacctg 180
 tctgtacctt acaggcgagc tcctggcagt caacagataa aaggaaaaca agaccacaaa 240
 gcaaggaggc ttgtggtggc tggccagctg tgaattttgt gtaatatgtg gattgtggcc 300
 tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaatt gaggacagga 360
 ggctaagatg gtctctggta atcgattacc aaggggtgta atcgattacc aggcttgaaa 420
 atgaagtca 429

<210> 32624
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32624

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 gcatgcacac ctccacatag taattgaagc cgaaacataa ggcataggca acaaattgag 120
 atccacagat tagactatca ccataagaga gtaagagatg aaagttcaat taatgtgatt 180

tgcttttggg ggacagtga atgtgactgt agatttggtt tgtgcacgct acggatgttc 240
 accttttttaa gctctgggtc agccgcagta aactgttcta aatgtggcta ctgcctcttg 300
 gcctactcaa aaaataaaat taagtcttaa tctaaccata gtaactaact gtcacctttt 360
 ataggatatag atgaatccac aagtcttaac cttaattcaa acacanccgt agtaaatagat 420
 tcacatttgt aaggattaaa ttataaa 447

<210> 32625
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32625

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 cactggtaat cgattacatc ctctggtaat cgattaccag aaagtaa atc tcttgaataa 180
 agcctttctca cttaatttct tggccaaacc ttttgctact tcaa atagga attcccttcc 240
 tatttaatat acccttctca agactctaga aactgtcttg atcatccatc ttgaatatct 300
 ttaatttctt tgtcttgaat aaatctttga gaaacaagtg atcatccatc ggcataatca 360
 aaacattcag cttgatcctt tgtctacaca aaccacaaga caatggagga tatacatgga 420
 gaataagatg aagaacaag 439

<210> 32626
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32626

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 tcctttgatt ccacgatgct gggacatcaa cgggtagaac ttattaatcc tgaggggtctc 180
 cccagacctc aagaggatac tctttaggaa gatggaaacc acaggtgttt attatgctt 239

<223> unsure at all n locations
<400> 32629

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gatccctaga gtcacctgcg gcatgcagct ttatatTTTT atgctcatgg ttggtattca 120
tactattnca caaaaacttt ttgatataaa taaaaatata ttcacaaaaa actttattaa 180
aacaaaaaaa ttagaacttc cataacataa tcacatgtaa aatgggtata ggtaaattatt 240
aaatagcctt aaaaatattc ttgtatctta ttttgggggt gagaaaataa atatgattat 300
ttaaagctcg atcaagggtg acttttaata aaaattatTT tattaataatt aactcgatag 360
tatcgacaca tataatacaa aatctttaga gtcaatgact ccataatact aaataacaaa 420
gagctTTTTT aatcatctat atattattat gttctaagtc tatttttttc actt 474

<210> 32630
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32630

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ctagagctgc agcttgaccg tttgactgaa gtgcgaccta actggagtga cgactgcttg 120
accatactat tgatgaatat tgaatttaaa tgaatgataa ttaggactga gaagcatgat 180
gtcataccaa ctttgaccat aactactgat gaactgggtt ttgctccatg ataaactatg 240
attgcataac tgaccctgac tttacatgac tatctctaact actttgttaa atctatgaga 300
gcatatggct cacgaccatt tactctaact tggggagaaa gtgaaggatg aaagaaacgg 360
taagatcaga ccacacaata gtgttgtaaa aacgagcgag atgacagata ttgcn 415

<210> 32631
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32631

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acagggagct aagatgggtct ctggtaatcg attaccaggg gatgtaatcg attac 415

<210> 32634
<211> 248
<212> DNA
<213> Glycine max

<400> 32634

cttggcttgg ttcaacgata aaatggatgc .cccacattat ttccatgaca caaatgcaaa 60
aaatgatgat ttggaaattt tatgccaac tggtcatgca tgcgcctatg cggacgccta 120
agtgtcaaat aattatggcc atgtttctgg ctttgattaa tgccgggcca aaaagttgta 180
gcgcacggga ttttggttgg taatcaaaag gagaacacat tttatgtcgc ggtttccttt 240
ccttccttt 248

<210> 32635
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32635

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atagctgcgg atccaatacc ttttcacctt cttcatgga aacaacaaaa aaaacagagt 120
gtgttcaaaa gagaaaataa tgtgtctttt gaagtttctg ttttcttcaa aggagattca 180
tcgcgcanag tacaagcacg agctggtttt tgctttttgt tcttttagat ctctgtgagt 240
gaaagaaagg gaactaaaac tacttctgtg ttgttggtac ctttcggaga ctattatgag 300
cgaaacaaac gaccaaaccg acctcttggc cagcaaaagt tatgtttatt aaattgctct 360
gttgaaataa ataagaatag aatgcgaaat gaaatttatt tttgg 405

<210> 32636
<211> 375
<212> DNA
<213> Glycine max

<400> 32636

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tgatatatca ttatTTTTCT tccgtctata cccttctctc tgggtagagc cacacaagtg 120
 gtggtgtttc gtggtgtgcc gctgcataca gaagaggaac tgatattcat gatacagcac 180
 cgcccaatgt caacaatgta caaaaatttg gaaaatgaca tgttgccgcc catacattgc 240
 atgcaccgtc aatgtgcttt cttaaccatt aggaagttat acttatacca tatgacaaaa 300
 acaatctacc tctgataaaa atctgccttc tcaaccattt gacaatcttt agtatccgta 360
 tcggatgtta ttata 375

<210> 32637
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32637

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 gaatctggta aacagcgaat tgtttcgaag agtgaagctc ttgtttcgag tgcttggatg 120
 caagtggggt ccaatgcgag ggtgcggtg caatcggcaa ttgactcggc gattcgccct 180
 gcggaacggt gcgcgagggc gcggtgcatg tancattcgg cgaggaagct ctgcggcgcg 240
 ctgcgccggc cgtcgacgat ttctgagaag tggcggatgg cctcggagta aagcccggcg 300
 tcgagggcgg cgagtgcggc ggcgcggcgg cggaggagga acttaatgtg gccgangagt 360
 tgggccacgc tctcggagtc cgcgagaagg gttcgcggcg gagttg 406

<210> 32638
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32638

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 catggtaatg ataaattggt agcacaatgt ctatgcaata ctgttctaaa gagaaggaaa 120
 tattagcatg tttaggcctc aagttaactg gtaaattcaa catcaagtct attagatctt 180
 ggaccgacat gttgtggtan caaaactttg agaatgcttt tgagtttatc atatctatga 240
 cgattatcat gccttcaaca catttcttta agtcttctgg atccttataa tagttgaagg 300

taactgatgg ctatcattcg gatccacttg aggatatact tatttgtgta taaactttcc 360
 taattatatt aagagggtctc acaaatatga aacaaagaac aatc 404

<210> 32639
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 32639
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 acaatgataa tagtgggagg caaaatgatg gtgaacctag ggtggaagtt caaatcgata 120
 taacaattat gtccaatgct tatgaaattg gccgatgaag gatctgacta tttggaaacc 180
 tggctctttaa tttattcaag ggggtgtaaag cttagcagaa agtggctgaa atttgattga 240
 accaaccaca tgggtcttat gatttcacgt gt 272

<210> 32640
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32640
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 acgcatgcag ctttgcagtt tgatctttat cctatctcga cggccatggt gaatccgttc 120
 agtaatccga agaaaaacgg gctacaatga taaaaatgaa aaggagattg attggtctgg 180
 gtgcaaacat tggaaagttg catgacttac gggctaacca ggtaccaaaa gacattttcc 240
 ctgccattat tgacgatgct tgacgctgca ggaaatctca ctattgttcg tgatgggtttt 300
 tggatatatga aatatatgct ctgagatagg aaatacaatc attgcctcgg cctttgctta 360
 gagatctttc gctgtaatgc ctgccttcac cgcatgatat tttaggggtt 409

<210> 32641
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 32641
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ctggatgatc caagtaaaat actcctacta cagaccttat gagccactgc aacgaagcac 120
acacaggaag acatcttaca gatctaccca tatcagtaga tcacatgatg ctacatctga 180
tagagaccat atacatcatt gatgggatac aatcttactc aatgccatta tggacgttaa 240
tgttcctacc atgagtagtc aacacatatg caaaccataa attcaataat aatgatcatc 300
atcttaaact ctatacacta ttctaagcag taataataga tatattaaaa tgatatatta 360
gtccccgatga tccttgc 377

<210> 32642
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32642

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tgcgtaagta ctacggtcac caaaggcaac cacgagaaat agtttctaga agatcagtcc 120
tcaaaagcag cacttacagc tagaactaaa agatatcatg aagaaacaac taacaacaac 180
aagcacacca actgtcacia ttttaaaata tattgtttta agaaatgatt ttttatttta 240
ttgattcttt aagataattt taaaataaac aaatttttaa aaaataagtc atagaattta 300
tatatatata tatatataaa gaagagaaac tattctagaa ctttatgata aattaagaac 360
tatacataca aaaaatatgt tgaactgatt ntgatccata taatatcaa 409

<210> 32643
<211> 415
<212> DNA
<213> Glycine max

<400> 32643

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gtggatggtg cctcctctct cctcttctcc tttgccttct gctacatctc catggtcgaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcaaagtct atgatcttta ttcttcaata cttgtgttga ttattttgat 240
ataattgaat atatacatga ctattttttt taaaaaaaag gattatgcat gattttgaat 300

gtgatatgtg aattacttgc ttaaggttct ttcataaagt gttttcaaaa atttaacgtt 360
 atatatattc ttttgaacag tattttgatt ctcaattcaaa tccaattctc cctta 415

<210> 32644
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 32644
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 aatatgttcg atttggcatt gagatctggc ctgaatcttt tcctttgaaa actattctat 120
 ttggcaaadc ttcccaaac accattgaac cactgatgga ggctttggag gaagattata 180
 tagatggcaa taagatgaac gaatcacggg cagctattga acgagtatcg gatcttgcac 240
 agagaatcaa tagactagat acattgactt agagattaca tataacacac tcttggattg 300
 ctgaacacag tattagccta taaaccagat ctttaccact ctgtagatat gcttacctta 360
 tttctgatac gagcataata caatgactcg actgcg 396

<210> 32645
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 32645
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 gaactcttct tccccaccc ccccttttt tacttaaac attgtattaa tttgatgagc 120
 gcggtgatga ttcataccct taaaattatt catcaacaa actcccccaa agttggggta 180
 aaattgcctt aaaccaatgt gctctcctaa aaccaaagcg tggatcaatgg agatgacaat 240
 tgaaagccta aggctcaatt tgacaac 267

<210> 32646
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32646

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tcaaggaaat tttctcaaag aagctttctca aggaagtttt ctcaagaaag cttctcaagg 120
 aagctaccta gtctataaat agaagcatgt gtaacacttg ttgtaactct gatgaatgag 180
 agtcttgtga gacataactc anagttcaac ttctctccct ttttttcttc tttcaatttc 240
 gtgtccccc ctctctcttt ctctccctct ttcttttctt ccattgaagc atcctctcca 300
 agcttcttat ccattggctca tcttggtggt taagctcctt cttccatggc ttattcccta 360
 gtggatggcg cctcctctca cctcttctcc ttgtcttcc gcttcat 407

<210> 32647
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32647

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 cctatcagca ttataatgcg gcgtaaatgc gaggccgtag atcgcgaaag tacgaccata 120
 gccatgcgca taaactcata cgatcatggga taaacgaaac actgatggct caatggagag 180
 tgactcacia tgaatgagag caaaatcaca ggttgatttt gacaggcgga taccgcaaca 240
 ttccatatga taacatgagc agcaaaattg atatactata gaaaccatta tgatatgagg 300
 acatgtaaga agatacatgc cttgcgcttc tgcataaaac aatgagttag actaagctat 360
 tttccg 366

<210> 32648
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32648

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 ggagattagg gagagaagtt gaactttgaa gtaagtctca aaagtttttc attcaccaaa 120
 gttatgacaa gtgttacaca tggttttatt tatagcctag catatgggaa acttccttga 180
 gaagcaagga aggtagcttc cttgggaagc tagaggaaga aagcttcctt gagaagctag 240
 agaggggcta tccacacccc tccaatagct aagctcacc catgccaaaa tacataaaaa 300

tacaatggga agcttctttg agaagcaagg aaggtaactt ccttgggaaa caaggaagac 360
nagcttcttg agaagctaga gggggctact cacacnctc caatagcta 409

<210> 32649
<211> 400
<212> DNA
<213> Glycine max

<400> 32649

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ctgcatgcta tgatcgatca aatgacttgg acttatcagc atcctgtcgt tttgacatcc 120
atgcctacca acgacatgaa cttatacctg acattctttt actgcagaga acgtttgtgc 180
catggaagac gggtaatata tccatcgcca aaactatcgc taacaccaga gactatccta 240
cagatccttg agcaagcctc ttaaaaagcc tttaacagga tgggtctgata tagggcgcatg 300
tggaactgta cagtggacat ggcgtagaaa ccggtctgat gatacctgct cgagcacata 360
taagcttttc gagaagctga tgctaataag aacaggcttc 400

<210> 32650
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32650

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gcttattctg tacaggatgg ctccctctcc tacctcttct nctttatctt gcgctgcaac 120
tgcatggctg aaaatcacca ttgaaagacc ttatcaaagc tcaaagatcc agtctccata 180
gaagtttcgc aagccagctt ccatcaagcg ataattactt ctttgtttga acaagaaaac 240
aagcgtaatg actttgtttg gctaaataat tatgctatat catctgacaa cttccccgtg 300
aaagaactgt taatgtggaa catacactct aatgaatagc atgacttata tgactaaaga 360
tatcacaccc ttgacattta atgcatgatt agactacgaa t 401

<210> 32651
<211> 386
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32651

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gtctctaaaa aggtgtcaaa ggattggtaa gaagctatgg agaatcttag cctctaaaaa  120
gttaatttct tccctcaaag aattggtaag cttttcattt gaatcactta tgaatgccga  180
tgaggaaaac cttacttttc aattttatatt aattgcgctc aattctattt aattacactt  240
aattaacttc tgtttatagc ctttaccatt ttgtaaagg ttaatcctct aatgagcttg  300
tttatattac tggaatgaat ctattctgta cttntcaagt actctctcct atgtaaaana  360
caaaaactta agtctttgtg ttcaat                                     386

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<210> 32652

<211> 337

<212> DNA

<213> Glycine max

<400> 32652

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acataattcc caacttttgc actttatctc attccataca cttatgaaca caaaaagggg  120
atctggagga ctttatttgg cttgtaatga ggggtgggctg agaacaattc atttgttttc  180
tacgatgcaa aacttaagtt ctacgagagc attcatccat taatcacctt ctctttaact  240
ttccagcttt tattgacatg ccacaattaa caacacacag agttttcttc attcttgatg  300
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<210> 32653

<211> 357

<212> DNA

<213> Glycine max

<400> 32653

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tttggttaata tataatgccc tcgttatatc ataatatcct cacaatcctg aattataaga  120
tggtttgaga gaatgaatgt attactttat ataagcttaa tgatcaagtc ttagatgtag  180
taattattga tatctctcca tctccttgct taattattct ctcttcaaat atttatgaca  240

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tatagttatg ttattgatga aataagagaa ataaaatata gaattttaaa atgagagtat 300
aaagacgtga tagattgaat ataattaagg aaaccaatta tttttcgtaa gagatat 357

<210> 32654
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32654

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tgatttattt gctataatat ataatacata catattttgc ctatcaaaaa aaaatccttg 120
actttctcag gcaagtctta aaagaaagta tcacacgggc taccttgttt taagaaatac 180
ctcaataaga aaaaccacac taagtcttac cttggcaaca gcataaacac caaaaagacc 240
cgtgtccttg taattgggtg tgaaagccat aatgctctca gcaacttcat taatgccaat 300
tcgctgtgct aactccgaac tgtttatagt caaatgcat tcagttagta tcagggagag 360
aacttttctt ttntcaggaa ggggcgttca agtcacatac cccatgtggt ttcca 415

<210> 32655
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32655

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taaaaatatt gagattctgt tgaaagtatg gatagaagag gtgaatgctg gaaataaacc 120
tcacaaccac tttaactaagc ttggttgggc aaatattaca gaaaagttca ataagataac 180
aaatttgaca tatgagtata aacaattcan aataggtga gattctttaa aaaaaaggaa 240
tgacaattat gggctaatta agcttattgn gaaggacact agtcttggct gagacggaga 300
caagaaaacc attgctccta gtgatgaatg gtgggaagcc aaaattcaag tgtgtactat 360
tcaactaaaa taaagttagt tctagttgca tgtcattgaa ctctcttcag t 411

<210> 32656
<211> 381

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32656

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tttcaatgaa ctgcgtaagc gagcccggcc cactaagcga gttcatccat tnttggtgat 120
cttttggtt ttttgatgaa cacactaagc atgccctatc ctactaagcg agtgtatcat 180
atTTTTTTTT aatTTTTTTTg caatTTTtga tgaacttgct aagccactgc actacggctt 240
agcaagcctt tgaatgtctg tatttaattt ctacgttcgc atgaactcgc taagccgacc 300
atctgcgctt agcgagtata cttagctgag tctgatactc agaggctttt tgcattcttg 360
gtgcggtctaa gcgagccatg c 381

<210> 32657
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32657

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attataggaa caaatgaat aaaacgctaa atcgcatgaa acatatattt aaatctaaaa 120
ataataattt ttagcaacat ttaataaaaa aattaattgt atacattaat tacatgtaat 180
aaatttatta ttttatttat aaattgcatt aattaatatt caaatgcttt aaattcaaat 240
ataatcgtat attcaattat acaatctatt tttttttaat tatcttttat gggatataat 300
tgatcattaa attaattagt tcaattatac aatttcaaaa aatctaatta tttctggtta 360
aaatatttat tggtaacata attaacatat atatcgggta taatt 405

<210> 32658
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32658

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aaatcaaatac ttagttctga ataataatga gaatgaagag aggaatttga tgatagagat 120
gaaagaatga atacaaactt gcaactgcgc ataggaccaa tgactagtgg ttgtgactcc 180
ttgaagctgt gcgatgctct tttctgtcca ctccaacgta acactttcaa accctagatt 240
ctattatatt tatttgctta taaaagaaaa agacacttct ttttaagatgg ttttcaaaac 300
cgtcttataa tggtagtttc taaggcagtt tttgcaaaac cgtcttagaa taattgtatt 360
tatttacaaa aatgtcacgc tgtttcttct tagaatgatt ctctatcaac c 411

<210> 32659
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32659

agcttttcgg atntgggtctt cgccagtga aggatcgatg tgggttcgaa aagaggcaat 60
ttgatcatcc tactangacg actgagaaaa ctggggcaca tgaaaagggt gagaaagagg 120
gagaaaccca tgctgtgact gccattccta tacgaccaag tttcccacca aacccaacaa 180
tgtcattact cagtcaataa caaacctctt ccttaccac caccagtta tccacaaagg 240
tcatecccta atcaaccaca aagcctgtct accgcacttn caatgacgaa gaccaccttt 300
agcacaacc aaaaaaacac caacaaaaag gaattntgca gcanaaagcc tggtaggggt 360
cacccanatt ccgctgtcat atgctaaact tgatcccata tncactcaat a 411

<210> 32660
<211> 393
<212> DNA
<213> Glycine max
<400> 32660

tatgcgaggt gctggaatcc aagatcgggc catgctcatt gttgtctaata acaaagcatg 60
atgatgggag gcacaacaac aaatgttgta tatgagataa gaagctacaa ttcgtccttt 120
gtaatcacag ctttcctaag cccaatgaac aaacaaacaa cgaaatttaa caaatggaga 180
aaaggtttaa gaataacaat gtccaagcag atgaatggac ttattggaaa ataacatgg 240
atggaagaat gaacatatat taggggaatg aggtccatac catcaacttc atatcacatg 300
aacagaagag agggaccgtg gaaatttcag cctcaaacga caaagacagg aaatggatct 360

accatattta catttcttaa tggattggag ata

393

<210> 32661

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32661

gcttcatgca ttcttgaccg gatgcaagag acatcctcaa gcttagttat tcttgactcc 60

attgcatcga agcgcatact cacttgacga ttgagagtat tgaagccttt tacgacgtag 120

gctttgaaga ctataccacc gctgcataat ccttgactaa agagacgagt cttctacttc 180

atgtacttct tcaccaacat ttctagcaca cttcttcacc caagagccat catgcacatt 240

tatataagcc atggatgcta tgactgaagc gcctgtatag aatgatctct tgattggaga 300

ctancgttca cactcacgac ggatgctcga gcgctgaagg ataatgggtca caagatgatg 360

atggagcaac ggagcattcg atgcgatatg cttatgcatg tgacatatat catggatgg 419

<210> 32662

<211> 370

<212> DNA

<213> Glycine max

<400> 32662

agctttgaat cgattacaca cataactataa tcgattacca gaagagattt tcagaaaata 60

ttctcaattg gcacatcttt tcatttggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaagagtt ttttaagaaca aaaaggtcct atcctcttaa 180

aaagcaaaat ccgtttatcc tcttacaaat tccttgcca aaacacttgt gattcaataa 240

ggaattatctt gagtgcctcaa attgctcaat ctatctcttt caagagagat ttcttcttct 300

tttcttctttt attctgaaca gggattaaga gaccgagggt ctcttggtgt gaaagaattc 360

taaacacaaa 370

<210> 32663

<211> 420

<212> DNA

<213> Glycine max

cccatcaatc ctcccaagct ttccccaaca tccaagtaat tcaacattca aacaacacaa 240
 actatcacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaac accgaccaa 300
 atcacagctt ttctcactta aagaccccag taacaattcc ttctgtccgg ttcattaacc 360
 gttggatcga ctccaacatt ntactggaag tctctagtagc ataagcctac attctgac 418

<210> 32666
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32666

agcttgttct tattgtttta gtatctgata agactaatgc agagatncag acaatcaaag 60
 atatggaaaa aggattctac accaacaacc acccttggtc agaggcataa aatatgatta 120
 ttggaagcaa caaatgatat ctcaacttga atccattcat attgacctat gggatgatgt 180
 ggaaaatgga aagtgcattc catagcatga tcagttaaata gaaattccta caagttggtg 240
 gatggagaag caaaaactta gattcttgct cgactccaag gctcacaatg tgatgctatg 300
 tgctctatca gaagaggagt acaccaacgt acatggctta taaagtgcac acaaatatat 360
 gacactctag ttgttacgta tgaacgaacc tcacaggtaa agaggagtaa 410

<210> 32667
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32667

agcttggttaa aagcgaagc aaagaatacc gaaagtaagc aaaataaaaa tgaaagcata 60
 caaaacaaga atggaccgct gaatgtgcat agaatagaatt gaaagattca aatttgaaaa 120
 cttaccagct gaagaacaaa gaacaacgaa gaacaaaaga agaattggtga agaactatcca 180
 tggaaatgat cagcaaaaatg tctcgaaagc gttacggaag cacctcggct tgaattgtct 240
 ccttctttct tcttctctc actaatttca agtgaaagct tattgcacaa caatgttgga 300
 ctcttaaact cagccccctc tccctatnta tagtggaag 339

<210> 32668
 <211> 115
 <212> DNA
 <213> Glycine max

<400> 32668

agcttgtata atattcttta ttactttaat ccaagaaagt tagtgaaata ctctcttgga 60
 agtagattta gatcacgcaa caagaatgaa ggttcctggc cacaaatctc ttgct 115

<210> 32669
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 32669

agcttctagc atttgctcta tcctagacga aggcgcattc acagaagcag caacaacaac 60
 aagaacagtt gactaatgag aatgaaaggc gagattgaga agaagaagaa gggagtacca 120
 attccaatgt agtggccaat ttgagcgtcg acccatttat cagcgtcgtc atctccacag 180
 tacaagttgc acaccttgaa tgaatgggag tgagaataag aacggcgaaa ggaataagcg 240
 aattaaatgg gaaaaagcta caacgaactg cagcgtacgg gtgagcgaag atgttgatga 300
 gagccattct ggcgaaatca tagagggcgt tgtgtgtaga ttgacttctc caccgccaat 360
 aatcctttct cttcttcaca cttcaacctc aactatggat tccacacac 409

<210> 32670
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 32670

gcacactaca tgattgcaca gacagaaaat ggcgcctattc taatgatacg gagatctaca 60
 attgcaacag tgctctagaa cgtactggta acgcctttcc tacgatgtca tagcgacgcc 120
 caccattact atcacgcatg ctgcacagaa cgagaatgcg acctcgcatt ggatcacacg 180
 gogatatcat cagacgagaa catgcgccct agagccaacc atcggaccaa tgcacgatc 240
 tttagcgaac tttttctgac ttatagaacc catataacca 280

<210> 32671
 <211> 407

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32671

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agaagattct ccctttntca atgacaactc agccttgggt catgttatta atgcatgcat 120
ttcacttgga tggctggatc aagcacacga tctccttgaa gagatgcgtc tagctggagt 180
tagaactggg tcactctgat actcctctct tttgaaagca tattgccgag caaatagagc 240
tgcagatgtc acatcacttc tgagagatgc taagatagct ggcattccagc ttgactcaag 300
ctcttatgag gcaatgattc aatccagggt gctccagcaa gacacacagg gagcactcca 360
actatttaaa gagaggaaag aggctacaat tccaaaagtc actcaac 407

<210> 32672
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32672

ccgacacacc ccacccacc aaaccaccc aaacacatac acccaacann cccggcgggcg 60
cccgtganct ttgacctca gacaccggc acaccaccgc cgcgagccca agagaccgca 120
gctgaacctg taaaaacccc acaccaacc gggaaaaccg cgacacatgc ccggaacaga 180
ccaaagcacc ccagaagac agaccaggac ccggcaccgg cccgcccacg cccaccgca 240
caccctccc accgcggccc ccgcccacac ccaccacca cccactgogg ccacaccacc 300
gccaacgcca accgcgggaa ataccccaca ccccccgacc tccccccac gacaaccggg 360
gaggaccac aacgccccca gcaccacacc caccatcca cccaccacac accccaaca 420
ccccgcaccg cccccccac ccaaccacca ccccgcccc acacacg 467

<210> 32673
<211> 405
<212> DNA
<213> Glycine max

<400> 32673

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cactatgggc aggaaagagt gtgatgagtt aaaagatata aacatgacca tgggtgaagc 120
 gtttagagtgg gaaacaaaaa gggcctgaaa ggaagaatgg agcaggaaca agttttgaag 180
 ggctatgtgg ggcagcagta atgagctcaa gcttagaaaag gtcgagaggg acaaatcaag 240
 gatggaaaac atgggtgttag aggataagtt aaagtcttgt aagaggtcga agataatttt 300
 gatggagtag ttgagaaaaa tagaagagaa tatgttgata atcattgatc aatataagga 360
 gaaggtaacc tggctactag tcatgggcat atgctggaag atgaa 405

<210> 32674
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32674

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 tgtgtgatct ggcttcagaa ccagagtgc cttgcagtaa tgctgacctg tgctacagac 120
 catatgctca catgcacaat ttgggaggat ccatggatca tgatacgtag agaaactggt 180
 atgtatactt ctgggttagca tccagactca aaagatttgt ggatgctcct attaacctca 240
 agctgcataa gcactctctg cccaactgaa acttggtggt ctcaatgaag catgcgtctg 300
 aggatgacgg tgactatgct gtcttgctcg tgacaaagca ctcttaatat gagctgcctc 360
 tgatacggac ccgtggaacg cacttctctn gtgtgacca gattaccgc 409

<210> 32675
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32675

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 aacaaaaaaa aaaccattt aaaacaaact atgatccata aaatttataa ttgtttcttg 120
 atgcataaaa atagtactcg cacagggtaa atgtaccata cactctagta acaatgaact 180
 aaaagggttca tagctcttac aaaccataaa ggttctctca caattcataa gagataaaaag 240
 tgatcaaaaag attattttct tacaagttc acagccctat ttatagcttc ctaatatata 300

tcagtatgaa aaggtacact acgattacag taaaatctac ctcgatcatg gtaaanaaat 360
 agtgacgttg aagctcttgc gcattgtgga tcgactgtgg ccctcatggt ttaccacaa 419

<210> 32676
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 32676

agcttgtggt gcattatatt acatctatac aaaggaattt tttatggggc agcctccaag 60
 actccaccaa gattccctgg gtgaggtggg acatagtctg cctacctaag agtaaagggtg 120
 ggtaaggat caaagatttg attaaattca atgaggcttt gcttgctaaa tgggggtggg 180
 agttggaaaa taatcagaat cagttgtggg ccagaattct attgtctaga tatggtgggtt 240
 ggagggattt gatttctgat aggaactgca gtttagactc tccttggtgg aaagacctca 300
 aggttatctt caagcagcag cagagcaaca caatttgcaa tcacctgaag tggaagctgc 360
 gatcgggaga taaaattagt tcttggaagg ataagtggct acatcataat ctg 413

<210> 32677
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32677

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 atcacgatca tcgtctccct ttccatcatt gggggtagca cctgngccgc cagatccctc 120
 caccttttgg gogtgttctt tgaaagatcc gtcccccttt ttgcaaattgt tctgtagttg 180
 catcctatcc ggaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattan 240
 gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa cagctacccc 300
 agtaagactt tcttggaagg aatgtatcag caattcctca tcttttgctg attcccccat 360
 cttctgacaa tacatcttta gatggttctt gggacaagta gtccccttgt ac 412

<210> 32678
 <211> 414
 <212> DNA

<213> Glycine max

<400> 32678

agctttgagg ttgtaggggc agtaaataga attttgaagc agtgatattg gcttgaaggg 60
aatgagattg gactggttgg tatcatttta atgaacagat ttcctattct gactattctc 120
tttgccaaga caccagctgg attttgtctt ttcactaac atgtagcaat tccccaccct 180
cttttcttct tccaggaaaa aaatgatcaa tttttgtac taagaaaaat gtgcaaatca 240
ttaatgagtt tcatgttgct aggtttcttt tgtgattatt tataggagga tttggctcct 300
tacaagtga gactgtaatt gaagatgctc tcgaaattgt gataaaacag atgcacatgt 360
aaaatacatt ataaaattat taataattgt aactctcgat tttcaaatca ttga 414

<210> 32679

<211> 538

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32679

aaccaccant acatcatctc gcgcaccccc accagaanca cctaaccaca aanaaccgac 60
gcgcccgggtg ancctagaca tcgaanacaa acganaancn naccgggaac cggagcaacc 120
ctacagcaga cagcagcgt tgcaagcttt aagaaacacg gccctaaggg cccaaccgcc 180
cactgagggg aaccccatat ctagagcccc caccctcaac ggagcgggag accactaccg 240
gaaaacaccg ccgccaaccg ccacacacgc catccacca aagaccccg aagcactcaa 300
acaacgaccc aatagacccc ccatacagcc cggaactgca acaacacaca accccacaac 360
cacatgccac gaggaacaca cacaacaaca ccacctaact tacagcgcca ccacaccata 420
caccgcccc agaaagacga aacacgacgg ctcaaaccga aaaccgcacc gacacgggac 480
acaaacaaga ccacacaacg cccagacgc acaacaccac gaccagcacc cccccccc 538

<210> 32680

<211> 399

<212> DNA

<213> Glycine max

<400> 32680

agcttgtgac catttgaata actcaagagc ttgcattgtt caattttgag cgtctcgata 60

tattatgcgc cttaatcggg cctccgagtg aaaagttatg accatttgaa taactcaaga 120
gcttccattg ttcaatttcg agcgtctcga tatcttatgt gcctgaatct gacctccgtg 180
tgaaaagtta tgaccatttg aatttctcga gagcttccgt tgttcaattt cgagcgtctc 240
gatatcttat gcgcctgaat cggacctctg agtgaaaagt tatgaccatt tgaataactc 300
aagagcttcc attgttcaat tacgagcgtc tcaatatatt atgtgctga atcggacctc 360
cgagtgtaaa gctatgacca tttgaattgc tcaagagct 399

<210> 32681
<211> 231
<212> DNA
<213> Glycine max

<400> 32681

tgagaaaaca cgctctatat tcatctcaca ctccaagtat gcctccggat gattatttcc 60
tttaaattgca ggaacgctga gcttaatacc atcgatctgt gattgactag gaacaccatc 120
atctccctct tgtgctcctg tcttctatac tatgatattt attctccatt cgacacatcg 180
cttcatggag cgcacatcat ggctgtccca ttaacctctc catatgatgc c 231

<210> 32682
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32682

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tggaaggcct ctcatcttgt acatgacaat cttagacgag tcaatggggg gtatgctagg 120
gcaacatgac gaatctggaa agaaagagcg cgctgtttac tacataagta agaagtccac 180
gacctgtgaa atgaactact ccttgctcga aagaacgtgt tgtgctttag tatgggcatc 240
ccatcgcta aggcagtaca tgctgagcca tactacctag ttgatatcca agatggaccc 300
ggtaagtac atctttgaaa agctagctct cacgggtggca agtcttgcta tccgagtttg 360
acatagtcta ngtcacccaa aaggcgat 388

<210> 32683

<211> 402
 <212> DNA
 <213> Glycine max

<400> 32683

agcttgtttc tacactcgga tgtcttggaa acactctgtt ttgaggcaag gcttgatctt 60
 gagttaatct tgaagcaagg ctttgtttgt tgaagcaacc ttgtattaat cttgaagcaa 120
 tgcttatcct ttgaagcaac cttgtttgat tcttctttgg catcatcaaa atcatgtatt 180
 catacattca gactttaaaa tatttttaaaa atcaacaaac tgattagaag ttttgattta 240
 cacaaactac actcatttca ttaaaatggc ggtgctgcta acctaataaa agaaaaaaaa 300
 taaaggtagag attctaaact gtttttcttc ttcggaaca ctacttctag ttgcaacctt 360
 gagatctttg attctgctac ttgtttttaa tattatttga ca 402

<210> 32684
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32684

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 tatgacatcc actccacaag gtttgaagta gaggagacct tcaatcctat tacgcaacgt 120
 ggcggacaaa agtgggcagc taacttaaac ggtcattatt gtcaatgcag aagggtattct 180
 gcacttcaact atccatgttc acatattatt gcagtttgtg gttacgtgag cctgaactac 240
 taccaatata tagatgttgt ttatacaaat gagcacatct tanatgctta ctccgcacaa 300
 tgggtggctc ttgggaatga agcgactatc tctccttcta atgacgcatg gacacttate 360
 cctgacccaa ctacaattcg tacgaaaggt cggccaaaat caacaaggat aaggaat 417

<210> 32685
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 32685

agcttcgggg ttatttttgg tgaaggacaa ggttggatgg tgaagttgat gtgtgggtga 60
 caatcatgaa ttgacaaagt ccttagttgg acatccatac gttggatgat tgactaagga 120

tgaaaaaata attattgttg atatgacaaa gtcaatgatg aaaccaagaa acattctgct 180
aatgttaaag gaacacaatg ccaataatta tacaacaatc aaacaaatat ataatgtaag 240
aagtgcatac cgttctttca ttagaggaag tgatattgaa atgcaacatc taatgaagct 300
tcttgaatga gatcaatata tttattggca tagattaaag gatgaagatg ttgtacgtga 360
tatcttttgg tgtcaccttg atgcagtga gttatgcaat gcatgtaatt 410

<210> 32686
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32686

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ggatgccccca cattatttcc atgacacana tgcaaaaatg atgatttgga aactntatgc 120
aaaactggtc atgcatgcac ctatgcggac actcaagtgt caaatcttta tggatcatgtg 180
atgctagggc tcaagattcg tttcctctat tttaatcaac ccaatgttnt caaaatatgt 240
tcttttatca atttgtgcat tcatccgagt ccatttcggg cgtccggnga aatttcacag 300
cattcacccct tcagggtgtag acacattctc caaaaattgg ttatgatcaa tgaactcttt 360
cacagaacag ttggaaatcg tttcttttca caagcatgct 400

<210> 32687
<211> 413
<212> DNA
<213> Glycine max

<400> 32687

agcttctact tatgtggcag ggcgggcttc cttcactttc ttgcctcaac cgcgagcttt 60
gaccaccgct ctttcttccc acaatgcttc tctttatata tgcttgagtg ggtttatagc 120
ctaaaccata cttcccacga tttccttttg catttatcaa gctagttatg ccgccgttgt 180
ctttgcctaa acccattccg gggtcgtaac cgttcccca cataactcgg gccatcatta 240
ttgctgcatac ggacaggcaa ggctgcccag agaaggagtc cacggaggaa atgctgacca 300
cctcaaaaga ctggaaagcg gattctaacg attcttctgc ggcttctaca taaggcatag 360

aggatgggca gctcaccaag atgtcttctt cgctgacac gatgaccaa tgc 413

<210> 32688
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 32688

tgaaggatga ctcacgagcc tagaattgta atgacttacc gccgtaagcc tacggaatta 60
 agacatagct caatggctga ttgtaaacga tatcgtggcg accatgagct accaccaaca 120
 ggcaacaagt catgcaccgt tggggcttac aaaaggctga agcctagggt gccaatgtgg 180
 gctctgacta catcttgaac taaacctaac taaggccctt ctagctgagt aacctatc 240
 atatctttgg acagccaacc ttactcggat tgggccatta tttaaagaa ctagacactc 300
 taaagttgaa gcagagtggg gtcagtaagt actcctgcat tcgggccatg atacaactca 360
 caaccatgga c 371

<210> 32689
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 32689

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 aatatatcga gacgctcgta atggaaatcc taatccgtga gatgattgac cgacgatcac 120
 tttttactca gatgtgtgat cgagcaccgt attatgtcca gacgctccat tctgcatcag 180
 gaagctgtga gcaaagtcaa acaacaatca cttgtcactc agatgtctga ttga 234

<210> 32690
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32690

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 tcaaggcaga ccaaaagaaa gcacaacagt gttatgcaga aagcctgaag gtaggaccat 120
 atcctccac caggagcctt gccaaagcctt accccacagt ggctgaaggc actcaagtca 180

tgagcatgga cgaagggtct caaatctgag ccctgatcgt ctaccaagca agcctgggag 240
 atgaattcga catagatcca cgagagcata cctctaatag aggcctgaaa cccatcgaag 300
 agcttgcaac ttggacctaa acccgggcaa taaatgcggc tcaagaagga cctcactagt 360
 catgagaacc gacacatcac taatgtgcta cacagaaatg cggattta 408

<210> 32691
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32691

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 gtaatcattg cttcccatgc ctgaaaagaa tagacatttg tttaggtagc tattaagtga 120
 ttcattgtct cctctgaaga accttctcaa ctgctgcact gtgttgctcaa agttagccac 180
 ttgctcattc aatgatgtat gagccccctg caaacaatta cataagaaaa tcagaggagg 240
 tgtggctcac gaattattgt gcctcacaga acgatatgta catttaatat gtgcttaatt 300
 tctcanaata ctcatgaata tgaatttgca tacaaggtta cttctgtttt cttctctaata 360
 gcctgtgtgt ccagatgcat agctagctcc tettaatagt ctcaaaccct 410

<210> 32692
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32692

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 cagtgtcaac agtgcaacta catgtagcag ctgataatca taatccatgt ctgctatacg 120
 ctagcaaagt gaggtgggtc ttatggagtg atctcttgca tctgaaaaag tacttaagat 180
 tgttggcttg gatttcatca ttagaaatac tcctctggt ctttctata agaaacaagt 240
 tttagtatat ttactactaaa acttgtttct tataaaaaag acaggagata atagctcata 300
 aggcacagat aagaaaagct tgtattgctc agagatctaa cttttttttt tatcaccttt 360
 tctcttaaaa aaattatgtg ctgacagcat gtttgctctg gg 402

gacttttgta atgctattcc aagagatcaa agcaagcacc aaagcttaac cattaagcaa 180
aatgaacaag gtcatttggc agaagctcaa atcattgacc catgaaacta tgacagctta 240
tccacgaact agaaactata cctcgaagct taaccaatta ccagaagtaa caagacttaa 300
ccgtcaagag tagaagccaa gcaacagttc aatgcttaac 340

<210> 32696
<211> 412
<212> DNA
<213> Glycine max

<400> 32696

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ttttctttac ttgtcttgag gacaagcaaa gttctacgtt gggggagttg ataagtgcc 120
aaattcaata ttttttggga ttaaactgtt agcacttacc tttcgattgc aatagttttc 180
ttataaacta ccttttaaac tagttgtttt atatatactg tacatttact aatgttgctg 240
tttaaatatg aaagattcat ccatgattct gtaggttttg aggggtgttt gttagatcca 300
aaaacaaagc caaaatgggc ttttcacaaa gatttctaac cccaaattcc cccaggctag 360
caacctgctc gcctgggcta aagatcttac ttagcccta agcaagcaac tc 412

<210> 32697
<211> 415
<212> DNA
<213> Glycine max

<400> 32697

agctttaacg tttatggcaa ctcacagtgg gttctgagat gctggacatt gagaacaaat 60
atttcatgat acaatttgat atataggagg atcacacaaa agtcatggag gagggacctt 120
gatgcaatcc taccoccat gggcattgga tagagaagac tccaagtaga ttgcgctaga 180
gctactaaag aaggccctag gatctcatga accttagggg agattcttta gcccatgggt 240
caaggttgga tccactatcc ttgttaaacc ttagaatagg tttttccttc ttttgggcct 300
tgtatttttg tcattctagt agtatagggt tctagccttg tatttcaggg cattctgagt 360
agtctttgta gtacggactc tcttttttgc gtattttcat gtattcttgg aatga 415

<210> 32698

<211> 370
 <212> DNA
 <213> Glycine max

<400> 32698

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agcttttctc tcttctcact cagccaaaag agagaagttc agaagccttt tctctccctc 60
tctcacgtag ctatctactt cttcattcac cattgaagct ccacacaaaag cttcaacctt 120
tggccatcat ttctgcccc aatcgcgaaa ggagagcatt ttcggggtcg tgaagcgcgt 180
gtctacgagt gggacttcga aatttcatgt ttgggtgaac ttctttctcc tttgattttc 240
gtgggtatgg ggttttgga gacatgatgg gtagttttgt tagttctctg cttcatgata 300
gttatttgtg aagactcttg ttgaaagctt gttgaaattg ccatgtttgg atgagttaaa 360
cataccatt 370
```

<210> 32699
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 32699

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gtgctcacgt gaacaaaact gcgcagaacc ctagttgact ctgtgcagtt cttctctcta 120
tcacagccaa gatggctggc gtcaaccctc aagttgctgt caccatcccc aagcgttgta 180
acctgcctaa tcgccctggt gggtacaagt gtggacgtaa gtgcgattaa ttaataatta 240
ccccttcttt atatatacaa aggagagtta ctcacgtgac actactttga taaagatgct 300
ataaaaaaaaa gactattcaa ttatcaaaat tgaaagaaat atacacatat gtatatatat 360
aaatatatat atatatatat gactctttct atgataactc ttaagcttaa cta 413
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<210> 32700
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32700

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tatccagcaa tcgataatgt ggatggattc agcttctgaa cctggaaata tctcaaagat 120
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cgatcttcgc attgctgata ttcaagatca tttcacaaa tgtaagcaat gtaactcaag 180
cattttctgag tactataccc gtctaaagat tatgtggaaa gaactagaat tgcatacatg 240
catgtttgctg agtatatgtg ctactctctg atcttgnngg ctgactgtca cactcgacag 300
agaacgtgaa gatgactgtg tgattcattc tttgtgtggc ctcaatgatg tctatgcacc 360
tgacacgctt atggaaccta tg 382

<210> 32701
<211> 389
<212> DNA
<213> Glycine max
<400> 32701

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acctagtaaa gctttttgcat ccaacataca atggcgatg cgcactctgtt tgaagagcat 120
cgtatatatc tgcattgacat tcccgacagc cctcttgccc aagatcacgt atcatgtctt 180
ccatgagatc ttcgctttgt agatcaaccg gatgaggtgg acatgtttgt gtatgaccaa 240
ccaactcacc atgccatata cacttttgtt acgtcgggct aaagccatca catatcagat 300
gcgatctaata gtcattcaac gaatgacgcc tcccgtaga catttaaacac aagggcagaa 360
gaagttgcca tctgtggttg ctgaatgta 389

<210> 32702
<211> 404
<212> DNA
<213> Glycine max
<400> 32702

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aaggaggcac cttttgggata acacattgtg catccctaac ttaatgactg ttttaatagt 180
aataaattaa atagcagaaa ccatggaaat ttttttttgc actgttattt atttcacgat 240
aattaatttc agaaggaaaa ttatcactat agagtctga gtggccagtt cacaactcta 300
ttcggattca tttctttctg atcactcata acctccaaac tttttttctt tttctaaaaa 360
aaataccagc catcatttta tgtcatcacg tgagaaataa taag 404

<210> 32703
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 32703

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 tcattcgaca aaacaactcc aaagcctccc tacttttata actctgagca taccgcgcta 120
 tcatgagact ccaaggaata agatcatctt tcggcatttc ttcaaaaaac tgctgcgtct 180
 cagcaatctc tccagacttg gttaacaatt caagcagcac agtgccaaca taaagatccc 240
 tatcataaca cgctttcaaa gcacatccat gaacactttt cccaacctca aaattgttcg 300
 gtctaaaccc cataaccctc atctggcaga caagtagcaa cgaatcttca tggcagtaat 360
 tctcagcata gcaagccatc atcccagtc aagataccat gcccttataa ca 412

<210> 32704
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 32704

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 ctgttcctca aattcctgaa aaatgcaaag atccaggtag attcagcata ccttgtatta 120
 tagggaatag taagtgtgac aatgccatgc taaatttaag agcttctgtt agtggtatgc 180
 ctctgtctat ttttaattct ctatctctag gtcccttcca gtcaactgat gtggtaattc 240
 atttagctaa tagaagtgtt gcctaccctg ttggtttcat agaagatgtc ttacttagag 300
 ttggtgaact gattctccct gttgattctt atattttgaa tatggaagat ggattctctc 360
 aaggatcagt tcccatcatt ctaggcagac cctctatgaa aact 404

<210> 32705
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 32705

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cacccctcta ataactaagc tcacctcctt aagaagcttc ctttacaaga ttcctacaga 120
 agtgagagct tagttacact cacctctcta atagctaagc tcacctcctt gagatgagaa 180
 gctagagctt atctacacac cccctataat agctgagatg acgccgcatg ccaaaataca 240
 tgaaaataca aaaaaagtc ctaactacaa gactactcaa aatgccctaa aatacaaggc 300
 taaaacccta tattactaga atgaccaaaa tacaagccca aaacgaagga agaacctatt 360
 ctaatatatta caaagaagag tggatccaac ct 392

<210> 32706
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 32706

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 actattcgat tctcactcat taatattgag ttacatttct cgctagcaac ttaacgtaat 120
 gttggttaacc tgtttaacaa cttggttgac ctttctattc gcaaaagatt ctttccagct 180
 atgttctttg tctatctatt gaattgtaat ggacagacta gtataattat caaatcattt 240
 aaataacgat gtttttttag atcattatag tcagagacaa gtaaagaagc gaatcaaatc 300
 tatctgggaa ctcaagatgt gatgac 326

<210> 32707
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32707

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 tctgaagatc atgtgcctga acaaccctac tgaaggcagc tgaacaaaga tattctgtta 120
 cataatgcct tccagccaag actgtatcta gcacaatggg cagctccttg ttttcttcaa 180
 atccagtcct gtatgtgcaa taatggatga gagcaaatta tactcaaata caatgcacgt 240
 ctatttaaaa tacctaaaga gccagagtga agagccaaaa ttcanattcc acaataaata 300
 aatactgagt caaaatcacg atgcaattag ttaaaggcaa cacatccaat agttgacggc 360

379

agcttagaat	tagttaaggt	ttcagtggt	tgcattcact	cttaagctca	aaacttgaaa	60
tgattttgct	tagctctaag	atgcatcaga	aagttatgtg	aaccatcctt	gatttcgaac	120
taaatagttt	aaaagggtcat	gaacagtcct	catattacgt	attgaataaa	cacttgagct	180
tattttacca	gtggatgcc	gaagctcaat	gaagtaaaga	agagagaaa	attaacgtat	240
tactgtatta	cagttagaat	atcaaagtaa	actttaaca	ggtagagaaa	caaggcgaaa	300
gcctattaat	catttgacga	acatgataca	ttgttattat	ataaacaatt	gttcttatat	360
aaacaattac	ttcacactat	ataacatat				389

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<223>      unsure at all n locations
<400>      32709
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ctgggctgag	ataaatatcc	atcgcatcgt	aaccttttcc	tttctccgag	aaacgcagag	180
ttgtcttggt	aaaactacaa	tcccggtttc	gttaaccggt	agattatcgt	gaaattctta	240
tattttgttc	gtgatccaat	cacgcacacc	tncaccattg	ggatttgcac	aacagtgtct	300
atggaggggag	aaatatgcat	cacacgaagc	agtatagaat	ggagggttca	atcgtttctc	360
tatctctcta	atgtttggga	actctatcag	agcaatc			397

13631

agcttatctg ctttaataaa ctctgggcca gtattagcta atattgctct tggtagctgt 60
gattaattca agtttcacat tggctagaga taagacaaag atagaatata taagtgggag 120
acaaccctca ctctatgggc taactgttaa aattgagtta ggtccaaact cgcattctag 180
atggtatcag agcctatctt agatctatta acaggetacc cgccatgtta tcagcgcacc 240
atacccaaaa gtgctgctgg gcatgaggag atgtattgag aaaaacctcg gtcccacatt 300
gattaaagat aacgtcaaga tagattatat aattgagggtg caaccctcaa gttgaagtat 360
gtatgtcatg tactaagctt cttataaata aagtcaacct gaggccaagt gattc 415

<210> 32711
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32711

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atgagtttat gagcaactca agattcaaca gatgtgacat ggaccatttt tgctacgtta 120
agaaatatac taataactat gttatccttg tcgtgtatgt tgatgacatg ttgatcgag 180
gatctagtat ggcagaaatt aacaagttga agcagcagtt ggcaaaaaaa tttgaaatga 240
aggatcttgg tccaactaaa caaatccttg gtatgagaat tcttataaac aaatcanaag 300
gaattttana gctgtctcag gagaaatata tacacaagtt gcttgacagg ttttaccttg 360
aagattctaa gaccaggaat acccttttgg gatctcattt gaag 404

<210> 32712
<211> 414
<212> DNA
<213> Glycine max

<400> 32712

tttttgcatt cttttggagt agaaacatgg gaccaactca ttttatttca aaaaggaagt 60
catatctagt caaggtctga gagaccatac aagtttccta acgatttcta attatgtggg 120
ccattaagtc tatcatatgc tgacaatagc cgagaagccc atgaatctct tcgggggagg 180
agtaggtgtc tgccatcgcc ttggccttgg ctaacaatcg gggaagttct tgactcccg 240

<211> 400
 <212> DNA
 <213> Glycine max

<400> 32715

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 tttttgatta ttagactatt gggtccttag attttttttg agtcatgaag cgtgtttctg 120
 agggcgatgc aagggtttgc ttataagatt gtggtaatga tgaagagtga gcagctattt 180
 gagtctcagg atggcccat catactctct caggtaaact tttgaggctt ttcatttcat 240
 agcatttaat tttaatcttc attgctttct cttcatacca ctaatggcta tgacttatga 300
 gctcttcact ctagatctag tttaaatttt aatgatgcat tcatgattcg ccatgtgttt 360
 gctgctctag attgagaatg aatatacggc acaaagtaag 400

<210> 32716
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32716

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 tgatgaatga gagtcttgtg agacacaact caaagttcaa cttctctccc tttttcttcc 120
 ttcaatttcg tgctcccccc tctctccttc tctctttctt tcttttcttc cattgaagca 180
 tcctctcaa gcttcttctc caaggctcat cttggtggtg aagctccttc ttccattgct 240
 tattccctag tggatggcgc ctctctcac ctcttgtcct ttgtcttcgg ctgcatcttc 300
 atggtggaat atcaccatta aaggacctca ttgaagctca nagatccagc ctctatagaa 360
 tncccaaac caagctctca tcactaatga cactgtcaac tctgat 406

<210> 32717
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 32717

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 aaatccaact ctttctactca attaaaaggc tatactgcta caagacaaaa ctagcatcca 120

aacgtgagtt cggccaagaa aatgcatgaa actgacacaa aaactcacac aaaatattac 180
 ataaaagtgg tttatcaaca ggcacgaacc acacgagcaa taacacaagg gtgagcttat 240
 aaaaacaaac atactaaaac aacaatacaa cttaacaatt caagcctaac cacatactaa 300
 aacaacaata caacttaaca attaaagcct aaccacatac catcgtatat agaacataac 360
 atgcagaagt catgtataaa acataaatct tagaactaca taatagag 408

<210> 32718
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 32718

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 attcagtcaa gctccatta cataccacat agacaacctc acttaggtgc cttgacgcat 120
 aactaaaact gtgagtcatg taaaggcttg ctttctctct gttcgaagga aactctattc 180
 tctcccttgg aaggcacagt tctctgttca acggtcacac ataaaatacc tgttctgcca 240
 tcattttgct agaccatatt tcacatttct ctggccatta tctaaattct atatattctc 300
 ccgtacatca caatgaacaa tggcctcata accctttact gattcagaga atgacacagc 360
 tgcgtgctgc tctgcctctt tgcaccactt ctctctgaat ga 402

<210> 32719
 <211> 69
 <212> DNA
 <213> Glycine max

<400> 32719

gccgcctgtc tgccttcttt gtgactgtct ggaacgcccg cgaggcgcca tggagatgat 60
 gactactac 69

<210> 32720
 <211> 109
 <212> DNA
 <213> Glycine max

<400> 32720

ccaaaaaag ttgctaacat acaatcttga cacttaagct acaaattaag ccacatgatc 60

tgtttgcac cgcataaaac tcagcaactc accacgggtt aaattctac 109

<210> 32721
<211> 101
<212> DNA
<213> Glycine max

<400> 32721

taagctttat ccctcgggtt tttcaccatg cggctcatgt cgcgtgcctt atctctaaca 60
tattaccgaa aaaaggccgc taacatacaa tctctggccc t 101

<210> 32722
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32722

ggagaagcgc gtgcttattg aattcgtgag tcgaacangc ccncngagtt gatgtgtag 60
caattttctt ctttttaaaa cacaagcgga gttgtgtgtg gtttgatcta tagtctccta 120
tccaacgttc agtcggtata ataccgatga cgcataatttc agaattctac ctttcgcatt 180
gagtcgaact gtatactata tcttagacga atgcttatta ctctgacgtt tagctgtcat 240
tggaagcttt actttttaat cttaatttac aattcacaca tttattagct aacatagaaa 300
atatgagatc tcaatacatg catgttatta cttggaaact ctcaaattca aataattcca 360
aacttccaat aaaggataac ggtctgacaa catctttaaa taaatatttt aaaagtgcct 420
agccttagac atggttacgt cgacctacgt taagttcc 458

<210> 32723
<211> 310
<212> DNA
<213> Glycine max

<400> 32723

agtttctatc gagataatta aaaagcagag gctattgctc gagaagaaaa gaggaaaagc 60
ttatgaacaa gaaaacaaag aaattgagca agatgatcaa aacaagcttc tgtcttattc 120
attgagcaaa aggaacttat atacagattg agaatagatc caaaaactaa taaaaagca 180

gttacaaagt ttgctacaaa tctgttagag ttcaaaatga atttggcggg aaatgatagc 240
 ttgattaaga tgagattctg cttcactcgg cgccggcacc gtcattgccg cctgtcgggtg 300
 tgccctgcact 310

<210> 32724
 <211> 296
 <212> DNA
 <213> Glycine max
 <400> 32724

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 cactttttaa gatagaaaat atgctccaaa atcggtccca tttcaactct tgtagtgcta 120
 ttcacaactc actaaatctc tttttccatc tttaggactg gacttagaat ggaattatgg 180
 aaatgaatcc ttaacagagg cttcaacaat tttgagagat gctggcaaga gcaagaaaag 240
 tcttgcatgt cagttgtttt tcttttttgc acttccgatg tttactctat tcttgc 296

<210> 32725
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32725

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 tattatccaa aaaagggttg taacatacaa tcttgacact taagctagaa attaagcaac 120
 atgatttggtt tgatcatgca taaaactcag taactcacca cggtttaa at tctactgaga 180
 agcgatctac aacgagataa aatcaaatga agcttattat gaccgcgagt atttatgtnc 240
 caagaaacca ttaaccactg aatttcatct aactaatact taattattga 290

<210> 32726
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32726

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cacccggcgc atctctagag tctacctgtt tgcattgcaag cttatcctct cgtagagcta 120
aatccagagg agaaatgcct aaagagaact ccagatcttg cttcccatta tggtcatttg 180
atacattcaa gatctcaacg gaagccaaac aattgttaca caaaattcta ctgttaagtc 240
aaaacaagaa tgccttagaa catattacag gacaagatat agcccacaaa cataaccagc 300
tatcaatgcg aggccaatat aatagcacat tcncctttgg gcaaaatgca taaaccaacg 360
ctacaaccct agccaatacc tacgatggcc taatccatga gaataccct agctcacaac 420
atcgtccctt tgggcagaca cactcctcaa cttgc 455

<210> 32727
<211> 245
<212> DNA
<213> Glycine max

<400> 32727

agtcttttca ctccggagatg tgattcaggc gcataatata tcgagacgct cgaaaacgaa 60
caacggaagc tctcgagaaa ttccaatggt cattaccttt aactcggagg tctgatttac 120
gcgcataata tatcaagacg ctcgcaactg aacaacggaa gctctctaga aatccaaatg 180
gtcataacct ttactccga ggttccgatt ccgtgcatga tatatccaca cgctccaaat 240
tgaac 245

<210> 32728
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32728

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gnnnatatat tattgataca taattttgtg ttcttgnacg aancgatttg ggcgagattg 120
tggtgatatg aattgtgaat ttccaaatct gcacttatgc anaatttttg ctgggaaatt 180
gtgcagcaga atcttgcaac agtgcagaaa aatgcttgtg tgtggttggc tgtggaaaga 240
gcagtgcgaa tgagttctgg atgttcgcta gtagatccca acggtcaaaa tgtatgctta 300
tgtactacag acttccagta aaaatttggg gtcgatccaa cggttaacga attggaccaa 360
agaattgtta ctgtggtctt tatgtgagaa aagctgcgat tctggttgat gtgttgacca 420

gaagtttctg ccttcgctct gttttgcttg gctgcgatag cttgtgctga tcgaatgcg 479

<210> 32729
<211> 117
<212> DNA
<213> Glycine max

<400> 32729

caaattgaag gaagaaaaag ggaaaaaaat tgaactttga attgtgtctc acaagactct 60

tattcatcaa agttacaaca agtggttacac atgtttttat ttatagacta cgtacct 117

<210> 32730
<211> 277
<212> DNA
<213> Glycine max

<400> 32730

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gaattgccat tccttggttga atagggttga accaagctca tgcttttaca aaaaagggttc 120

atcaagtcaa gttgaaatat ggaagtaacc gtcttgcaaa attggggcaa aagatgaatc 180

gagtcacatc actgcttcgt ctactgccaa acatatttag gattattgat gtccttggtta 240

cttcagttt cacctttgac aagatgtcat ggaccat 277

<210> 32731
<211> 256
<212> DNA
<213> Glycine max

<400> 32731

tgatgtttgt atttatggga tggtgttgta tgtcattctt gttttaagag tagtgtccca 60

ctggtaaaac taactttcca aatgtttgcc ttgcgaggaa atggccccga ggaagcttgc 120

ctcaaagagg tccaggaagg acaaagcagc cgaaggaact agttccgctc cggagtatga 180

tagtcaccgc tttaagagtg ctgtacacca gcagcgcttc gaggccatca agggatggtc 240

gtttcttcgg gagcga 256

<210> 32732
<211> 369

<212> DNA
<213> Glycine max

<400> 32732

agcttggtga agaagtttcc aaacaaaaaa gggagaataa gtagaagtta aagcacacga 60
catcatttga atgggagcct aaagtatgaa ggaagcatca atttaggggg agttttttat 120
tcaagtttaa atttctgccc tgaaacattt tattatgtac tcaaaacaca ttttctttat 180
atgaataaaa tgagatgttt tttgttattt gctcacgctc tatctcaaag tcttatgatg 240
cattattatt tgggtatcat atatactctc tgcactaat aagcctaact aatctcttat 300
tgtgaagtct tacaagcata ctttcaactt ttaaactctgt atgtgtctga catcatcaaa 360
aatgaagag 369

<210> 32733
<211> 144
<212> DNA
<213> Glycine max

<400> 32733

cattgatttt aattacacac ctttttttct tttattgaac gtgatggtat tatgtggaaa 60
tcctacaagt ttctgcatt tttactcaca caaagtggct caaagactct tcaagacgta 120
ttttaaaca aaacttggtg tgta 144

<210> 32734
<211> 257
<212> DNA
<213> Glycine max

<400> 32734

ctgcacgcat gcaagcttat tctagacggc tttccttttt ttagcaagtt cctaagtcag 60
tcggttttta aggctccga ctgagtacaa aatgacttgt agcaatttgg taagtaatta 120
aaaactcctc tgcatgtcca attttaaaat cctatagata tctaatatga attccatgct 180
cattttcaaga tgtgccgagt accatgtact cacatatgaa agctataaga ttactatct 240
gaacttgcaa tggacta 257

<210> 32735
<211> 284

<212> DNA
<213> Glycine max

<400> 32735

tggagccaag cgagagctca aaaactagac aaaataggta aggatgtgag gaacaaggct 60
agacttgtga ccaaagggtta ctcacaatag gaaggcatac attatattga aacttttgat 120
cctgttgctc atctatagga aatatgcaat atactatcct ttgttgctca tcatggaatg 180
atgcggtatc aaatagacgt aaaaagcact ttoccttaatg gacttatcaa gaagtttatg 240
tggaacacac ccctgggtgt gagaggacta tctaccctca tcat 284

<210> 32736
<211> 188
<212> DNA
<213> Glycine max

<400> 32736

tacacacttg gtcaaactca tgaaagaaac acaaactoca tctcaaatat tgcctcaatt 60
caaaataaaa gcatacaacc atttttcaca aaaaagatat aagcgggttca ttgccatgtc 120
attcaaaaac aagttaaact atttcaaata ccttagaata aacaaaccca ctatttatta 180
attaaact 188

<210> 32737
<211> 216
<212> DNA
<213> Glycine max

<400> 32737

gcatgcaagt ttctacattc aatgcgagac ttttcgggta ttacgggact caatccgaca 60
tcccactaaa aagttattgc agcttgaatc tgctcaagag cttcgtatct catttccagc 120
gtctcgatat attaccggac tcaatccgac atcacagtaa aaagtcattg ttgttcgaat 180
tcgctcagag ctccggcatt ccatttccac catctc 216

<210> 32738
<211> 310
<212> DNA
<213> Glycine max

<400> 32738

tggcatgagg gctatctctt tgccgacact ttacctttat tactccctac attattcatg 60
 gtgccactgt acacgaccaa tcttgcttag gacatggcaa tatggcccga agacgatccc 120
 aactcccaac ccccggtggac gaaacactct ccatatgtga ccacaacctc tacactattc 180
 ccaagcctct tcccctggat tactacaaac atccacaact atttctgact actctctccc 240
 acccaacaca cacaccattt tctgccacag caaaatccta ctgactattt gacaccaact 300
 ttttcttccc 310

<210> 32739
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 32739
 ggcgagccct gccgcgtgcc cagccagggtg tttgcataca cactttggga gtatgcaaac 60
 tccccccgcy ggaacctata cattatatcc gcgagcttgc gagcttgcag gcgacggctc 120
 ggggtgaaga tggttgacaa cgctacctct gcaacacatg gctacggaat ggagaccggg 180
 aaatggtcaa tagagacgcc actattgtga gaagaatagt gaagcacgac ttcagtgcc 240
 gatgaagaca tggatgctca cccagtatgc aagacacaat gattgcgcgc cagatgccga 300
 taaagatgtt cgccatactg aggtccgaac gctgaagtcc tttcttcaca caatgcagag 360
 gactcaaccg atgaatagga tcacgcctta gaggagacta ctgcactact gtcaccagaa 420
 actgatcagg tgatcttact gacctgtaag aagttccatt tgacc 465

<210> 32740
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32740
 ggatggacnc cgagcaccgc canttgtgtg ttggaacacc gctcngantt accctgggtg 60
 tggtgtgtt tctcatcttg tcccccttaa ctctaacaca tggaaacttat ggcgacctct 120
 agcctctact tcatattcaa actgaaactg acgagaacct ttccatgaat ttggggagtg 180
 actcatctgt cgtctgctga atgattgtga gtgcaactat acgcaagtgg ggtgctttac 240

tcatcatgaa ctgggctcca aaatgcacaa taagtgtcct gaaagaatct attgagttcc 300
 ttggcacatc aatgtaccat tggagtgttg aagcccttat gttcatcacg aatacttggc 360
 acattatgac atcattatc gcgaatagat ttatttgcgt tagcgatgca tctatatgct 420
 tcttctggat ccgacagttc attgtatcca tctattggcc attgcttgc 470

<210> 32741
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32741

agcttttcca acatcaaagt aatacaacat tgaaatagca caagctatca cagccaagca 60
 aaacagggca aaggcagaaa actctaccca aaacaccaac caaatcacag cttttcacac 120
 acaaataccg cagaaacatt tccttcgctc cggctcatta acccgtggat cgacttcaaa 180
 attttactgg aagtctatag tgcataagcc tacattttga ccgttgggat ctactagcac 240
 acattcagaa ctcatctctg actactctct tcacagccaa acacacacaa ngcattttct 300
 gcacaaaagc aaaatcctac t 321

<210> 32742
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 32742

agcttcagtc cctgagattt tggttcccag aagacaacag ggagtgaaga ttgctgaaaa 60
 ccctagctct gcaacaagtc ctagggaagt agaccggag atggacaaga aaatccgcag 120
 tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
 atcttccacc ccaagtgttt ccgtgcctga tgctgagaaa gatgttccaa catcctccgc 240
 tccaaatgct gaagcccttc cttcaccag tgaagaggaa tcaacagaag aagaggatca 300
 agcctcagag gagactcctg caccacgggc accagaaact gctccagggtg acctcattga 360
 cctgcaagaa gtcgaatctg a 381

<210> 32743
 <211> 344

<212> DNA
<213> Glycine max

<400> 32743

agcttctcaa ggaagttttc ttaagaaagc tgetcaagga agggacctag tctatgaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtag acacaactca 120
aagttcaact tctctccctt tttcttcttt caatttcgtg ctccccctct tttcttctct 180
ccctctttct tttctccat tgaagcatcc tctccaagct ttttatccaa ggctcatctt 240
agtggcgaag ctcttcttc catggcttat tccctagtag atggcgccct ctctcacctc 300
ttctcctttg tcttccgtg catctccatg gagtaaaatc acca 344

<210> 32744
<211> 218
<212> DNA
<213> Glycine max

<400> 32744

tatttaatgg tggtttgatg gggttcattgg ttctatttgc atttaatttt tgcattgcttg 60
gggactgatc acccatgtgt gtgtaaagtg aagattttta acattggaaa atggtttgaa 120
tccttaaaac tggatagaag agggctagaa tactgtatgt ctggacacag agtgaagga 180
tttaagtttt aatatgttgt aatcggaatg caattcat 218

<210> 32745
<211> 155
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32745

agcttttncc ttattttcct ataattatgg ggagaagtga agggaaaaaa tgttcaaccc 60
tcctagcaat tccagatcac ttcaaatacag cgacgaaaat cgctccgtg aagaaaatcc 120
aagccaaacc gtttccgtaa cgttccgtg ggtga 155

<210> 32746
<211> 358
<212> DNA
<213> Glycine max

<400> 32746

taatattoga ttattattct tgtggaacct tcacccgacg aagacactga caaaaactta 60
tcttctcctt cttggacaaa gtatggcagg ctggggggcaa ataaattttc ttcccatcaa 120
accttgatg caactgtgat cttataccca tattaactag atcttgaccg gtattcaagc 180
catccttctgt cttgccttga atgttaagga gcgttccaat cacactgtca caaacatttt 240
tctccacatg cataacatta ataccatgtc taaccgtcag atcaacacag tacggaagat 300
caaagaaaat ggaccttttc tttcatatgc aactctgact tttattcttt ttttgggt 358

<210> 32747

<211> 283

<212> DNA

<213> Glycine max

<400> 32747

agctttacga atcccgatcc aacccgggca tagtcagtga gtgagaacct gtgatgtgcc 60
taaacaggcg agctcctggc agtcaacaga atatatgaac aaagaccaca aagcaaggag 120
gcttgtgtgg tggtggcca gctgtgaact ttgagtgtta tatgggatat gggctttgggt 180
aattgattac caacggtggg taatcgatta ccacgcttaa aagtgaagac atgaagctaa 240
gatggcctct ggtaattgat aaccaaaggt gtaatcgatt acc 283

<210> 32748

<211> 372

<212> DNA

<213> Glycine max

<400> 32748

ataaaaggga tgccccacat tattttcatg acacaaatgc aaaaatgatg atttggaat 60
tttatgccaa actgggtcatg catgcaccta tgccgacgct caagtgtcaa atttttatgg 120
tcatgtgatg ctagggctca cgattcattt cctctatttt aatcaaccc aatgtttcca 180
aaacatggtc ttttatcaat ttgtgcattc ctccaagtcc ctttcggggcg tctggggaaa 240
ttttcacagc attcaccctt caggtgtaga cacgttcttc ttttcaaat cgggtatgat 300
caatgaactt tttttcaaaa aaagttgaaa tcattttttt caaagcatgt cgggttttagc 360
tagaaactta tt 372

<210> 32749
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32749

cggcgcgccc gtgacgcatt gaatantcat acggtgtag caattcgcan tccgggantt 60
 tgctnancctt cgcgcaggna tgccacgttg tgagacnctc tttaaccttt tgtgtggtga 120
 actacagagc ctggcgtttc tacatttact caccatcata gggggataat gtggaatatg 180
 caatactccc atcctcgaat attaccccat tgcattgaac gttcgcagtt cctctccttc 240
 gttccatccc taactgcccc ctcataatgg agaataatta tttcctacac aaacacgtaa 300
 gggggattga tcaaaattat cagcgcacat gaccatagag aaaacggaag cacagactaa 360
 gaccaatcta cccattctga gggcttgaac acggtccaac tatctattga ccacaaccca 420
 caaccttata caatatgcca tgcccttacg cgtgctacgg cc 462

<210> 32750
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32750

cggccccccc ttgacgagtc gactctgcac gcgtgtagc ancatcngca gttaggcgag 60
 ctctcttaca cgctgaatcc gtctagcatc taccttggtg cagcgaagtt tatgaggtcc 120
 acggcgacaa caatgagagg ttatatactac atgggccctt atcatgtgaa tgccctatga 180
 aatatgcggc ggaaatggtg atcctcaatc aggtcaattg tgactaacat gccgcttaat 240
 acgttcgcac ccgcagcatg catcaaaggt gatccactt tcagaaaatg cgtatacaag 300
 catgatgctc acaaatagaca tgcaaggact ccgctacaag tgctgtaacc ctaacttcac 360
 ccaatggcca ggattacgcc gacggaaagg aacaattctc ttaagtttta tcgtgcacac 420
 cgacgcctaa aagagctcta gagacccta tgaccgggaa caagatcagg cgacg 475

<210> 32751
 <211> 309
 <212> DNA

<213> Glycine max

<400> 32751

agctttctccc tttattgtct ataaataggg ggagaagtga actataaagg ggttcacccc 60
 cttacgcaact tctctctttc caatccgctc tgaaaaattg cctccgtgaa aaaactccaa 120
 gccgatgcgc ttccttaacg tttcccgag tgactccgcc aacgtcttcc acccttcttc 180
 caccgccctc attcattcct caacggctca ccacctcaaa ccaacctttc ccactattct 240
 atgtaccogt ggtgggtccac atctgggtccc tgcacccat ccccccctcca tttacctttt 300
 atccccct 309

<210> 32752

<211> 213

<212> DNA

<213> Glycine max

<400> 32752

agcttggttat caatgctaata cccaaactcc ggtgcatagg gattatactc ataatacagct 60
 tcccgaattg tctgctagta tactgggaaa gctatacatt aattaaacta aaccaaacca 120
 cccacacaca ttatatattt gtttgtaacg agaataaata ctgacaagga caaagtaaaa 180
 caattcgaat ttatcataca gccatggcta ttc 213

<210> 32753

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32753

agcttgctgc ccagctggcc caagcgagca aggttgcttc ctncagaagc aacaaccttc 60
 tggaggaatc ttctggaggg cccaagtggg cctcgctgct atttacaccc cctgtttact 120
 aaatgcagcg cccttttcta ttcttttgta attctttttc cgtaacgcta cgaaacttta 180
 cgaatttcgt aacgatacct attttgcttc cgaaagcta cgaatcccta ccgattatgc 240
 attctactct cttttacctc tcgaagaaga tacggaaact tcacgattgc ccannaacac 300
 ctcttttcga tttcccgac attacggaat ttcatgaatc ac 342

<210> 32754
<211> 288
<212> DNA
<213> Glycine max

<400> 32754

agtttgact ctttcatctg atggagtgc taccatttaa cttgccacac actatctacc 60
tcaacattat gtgcatacaca aactctatgg atagccttga agacatctat tatgctgctc 120
tactcaacag aatcttctag agtaaaggag tttatcaagt cttctgttga tttttggacg 180
atggatgata gagatatggg ggacaataac attggtcatt tgggtctacta ttcttatctt 240
ctatattgat ccgccaatct tctattatct agtgggtgcac ccagtcac 288

<210> 32755
<211> 238
<212> DNA
<213> Glycine max

<400> 32755

ttggcgataa gtacctttgc aacgacatgg tccatacatc tcaccgacac atgtaaagcc 60
ttgttggtgc ctcttccctc aacgggaatt tcttcttctg gaaacgcgat ataagtgttg 120
gtgggtatat gattaacgat gcctttcaaa cccttcactg agatatcatg tgctacatgg 180
gcatcgtaa ggacctttat cacagcgcac gatgaggctc ggaagttatg agcagttc 238

<210> 32756
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32756

agctcacaaa gagaaccatc ttgatatgag ggactctgga agtcctctta caacgctatg 60
cttttgaagc tttgagatta acctcaagct aacatgacca agcttcttat gtcaaaccce 120
ataatgctct ttgactgaga gtacgcatga aacttttggga ctagacagat caccaagtct 180
aatcttatac agatttcctt gtctcttagc ctagaaaagt gaagaagtct ccttgttctc 240
aatgatacac atatcctngc taaagggaca ttgtatccac tatcacataa tttacttatg 300
ctaaccacaa tatgcttcaa ccctttaac 329

<210> 32757
 <211> 181
 <212> DNA
 <213> Glycine max

<400> 32757

gcgggaattc ttcaataccc tatttataca ttctgagagg ttogttgtca tgtggccata 60
 tcgacatcct tctttattca tagcaatggg ccactttttc ottgaaatgc gaagcatcct 120
 ggtgcttatg gttgacttac ttgacggatt tttctaaatt ttgataaaat aatatggctg 180
 c 181

<210> 32758
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 32758

agctttaaga aaaagatggc ctcatttaat ggcttatttc cagaagggaa ttctatcaat 60
 agacctcaa tctttaatgg agaggggttac cacaactgga aaacccgaat gcaaattttt 120
 attgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 tctagagata gatgggtctga agaggataga aatgagtac aacacaacct aaaagccaaa 300
 aacataataa catctgccct atgaatggat gagtatttc 339

<210> 32759
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 32759

tgtttgaata caaagagttt actctgctaa gcaaacaaca aagggctctat gttctcgttt 60
 tttaccgccc aatacttttg acaaaatttc accacttgcg tccttttagcg tccaatactt 120
 ttgggtctgga tgcactgacg tatagaaggg atcatatcat tcctttgtat tgggtgccat 180
 cctcttttctt tgattcctcg tccagttcaa gatgtgtact cgaatgcatg cgtgtcttca 240
 ttctttttac atcaaccatt ttgaactttt ttagaagttc attcacatac ttgggttgat 300

gaactgaaat gcctttatct atctgcttca ttctcgcta acgcacaatt tacgtcccta 360
tcatactg 368

<210> 32760
<211> 333
<212> DNA
<213> Glycine max

<400> 32760

agcttgtaga tcagagttta agacattcaa agcctgatgc gacacgtctt caatccaaca 60
attatcttga aatctaagtc caactttgta agtctaaaca tgtttacgaa atattataat 120
atctcatttt gcctattctc atgataaaaa aagatgttta caaaataact tacatgtttg 180
gaaacagtct acatctagaa aaacaaaatt tcttaaaaaa taagctgctt tttttaatct 240
aaaaattcgt aacttatgtc tatttgtcaa taatctttct ttctttattt aaaccgcttt 300
catactcttc tgcccggtca aagttgatta tct 333

<210> 32761
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32761

cgcgtgcaca nccacgccag ctattagtga catttagaat actttcgnnt gccctgtgg 60
aagttacttc atgaggatat agaagtttat tttgtataat attagagggga tccagcttgc 120
acacgaatcc tgtacaaata acccattgg atatttgctt tttttaagaa gatttctaca 180
ttaaaaaaaaa acctatgaac aatattattt taacagaaag atacatggtg ttattaacaa 240
aaccaaaaat ccctaacc atgggcaatt cttactttt ttataaaatc cttttttaa 300
agagtaaatt atgaaaaaat gggttacaaa aaaatatttt ttaccttag aatttttttg 360
gttgaccaa ggtttgaata aattaccatt aaaccagga attcatggaa cccttacaac 420
cttatttttt ttctctttcg ctagaatttc caatgaaaaa aaacaacctt tggttcct 478

<210> 32762
<211> 289
<212> DNA
<213> Glycine max

<400> 32762

agcttacaat ccttttgttt aagctgtaag cgctctttta cttgaaattt tgtagcacta 60
cagtctgttg tgacaaaatt actgcgattt tattctcaaa atgtatttct ttcgagtaca 120
taaaatctgg catgaacatc tacattctta gtataacaaa tggatcatgcg agtaacacga 180
aaaacattct ttctcaacca gaacgtcacg ctgctaattt gaggttggcc ttaatcctac 240
atatgtccct agccaactaa atgatctata cccaacgatg gctcaatat 289

<210> 32763

<211> 346

<212> DNA

<213> Glycine max

<400> 32763

tacgtagcag ttttcttata aaatagaaaa ttttgaacca taacatcata gttgcataaa 60
tgcgcatcga ccaaactcatg ggataattga ttaaaataaa aagttttcaa aactaataac 120
acatagcaac acattataat tgattaacac aagagagtaa tccgataaaa tagtgaaaac 180
acgaaatggc aaggtaaaac atgtattttt aaaaagagat agaataatca actacagatc 240
aacatatcaa catactatga cattaaataa aattaattga cataaagagc atacataata 300
ggctacatgt actaagccta acatcattca atgctagatc catcta 346

<210> 32764

<211> 273

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32764

catgcaagct tgctatctag ctcttccagg ttttagaggt gcttcctcca gaagcgggag 60
ccttctggag gaatcttctg gagggcccaa gtgggcctgg ttgccatttg caccctcatt 120
tttactaagt accacccctt gccttntttt ggggattctt tcttcgtaca gttacgaaaa 180
cttacgaatc tcgtaacgat accttgtttc ctttcataat gttaccgaac cctgcggatt 240
acataaccat cctctttttt gacttacgaa tgt 273

<210> 32765

<211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32765

actggatgct ttggtcaact tgagaaccta nctggccttg aatcacaaat ctggagctgt 60
 ctttaaggggtt tgtgggggtgc gccctcctcc tgaccancat atanaccttt ggccttccat 120
 gcagcaacct aaagcaattg agcagcctga agcttatgct tgaaatattt acaatagacc 180
 ttctcaacct cagcagcaaa atcaaccaca gaagagcaat tatgaccttt ccagcaacag 240
 atacaacccc tggatggagg aatcacctta accacagatg gtccagccct cagcaacaac 300
 aacaggagcc tgctttcttcc tttcaaaatg 330

<210> 32766
 <211> 88
 <212> DNA
 <213> Glycine max

<400> 32766

acacaagagt ggggtgcctat tacgctgaac ctaccctttt acgccaacaa tcagctatcg 60
 gctacgccat gataattccc ttacacct 88

<210> 32767
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 32767

agcttgcttg cggggccttg atggaggctg gatctttgag cttcaatgag gtccttcaat 60
 ggtgatttta caccatggag atgcagcgga agacaaacga aaagaggtga gaggaggcgc 120
 catccactac ggaataagcc atggaagaag gagcttcacg accaaaatga gccttgga 178

<210> 32768
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32768

acgcggctgc cntnnnnccc ttgcnctcca cccttggtggg cattcgacca ctttgaggaa 60
 ttatgcgaac tcgccacccg gngatcctct atagttaact gaagcttgtc aatttttaag 120
 tgccaacaa ctgggacaac gtctctataa tggaccacga tcattgctcc tacttattgg 180
 catcgtcatg atcattttat ctaagattgc tactgttggt cccatcatga agagctagtc 240
 ctccctagtc cgaacattat tagattactt ttcaattgaa ctgcccaga tcctagtgtc 300
 tcacttcttt ttttcttatt cataacttgat ggtgtgaaaa cttcaccact ctttctgata 360
 accaacacat tttgacctcc ataatacctc acaactatgc tttccgacat ggaactgctc 420
 atatttacat ataccacaca ttttgcaact actatggcgg gtctgccccg 470

<210> 32769
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32769

agtttcaagc tgcttggaca tcaacttatt gtgagccaaa aaagcatctt gtgatgacaa 60
 ctccaataaa ctacttttgg tttggatatg tgttctgtca cgcaagattg cgtgggtcact 120
 agtagccata ttctcaatta actccattgc ttcttcatga gtcttttagtt taatttttct 180
 tcctacagaa gcatctacta attgcttcaa ttgtggcctt aacccatcaa tgaagatgtt 240
 caactgtata cgctcacaag aatcatgtgt ggnggtcttc cgtagcaagc tatggaaccg 300
 ttctaaaact tcactcacag attcattaga aaattgatgg aatgaa 346

<210> 32770
 <211> 242
 <212> DNA
 <213> Glycine max
 <400> 32770

gtataagggt atcgcgtaaa aacatgggct atattgttta ttcttgtagt ctaaacaatg 60
 gataactaca actcgttttt gagcttccac cgctttgggtc tgtgaatcac gaaagcactt 120
 gacccatgac tttcttattt agaaaaatgg gaacaacttg acacatatta atatccatta 180
 tggctatcaa attccactta gcacttaaca taataaccta ccattatcac cgtattatat 240
 ta 242

ccaccgcg atcgtctaga gtctacctgt atgcatgcaa ctttgctgct ctctggggcc 120
 aaaactaggc agctgaactg caggtctcac ccatatcaaa cacctgttat ttaacgaaat 180
 aattttaaat gcaacaattg tcaggtacac aatttgaaca ctaacatact aacattatcg 240
 tctcagaacc aacattcaga tgcttctgac acatctccct aactctatta cttcaccaat 300
 ggttgatctc aattaaacca ataactcca tctttatgat ccacgaagat acgctttgta 360
 cctcattaag accgctgatg atgcccgacc gctccctate ccttatgacg ccccatctct 420
 tctacaccat cgcgtaccta aatccatcac aggtggcttg tccc 464

<210> 32777
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32777

acgcgcggcn ctccctcggt gacntgctcg catgtacgac tatcgccgta ggcaatttgc 60
 tcacgcccc ctctagagnc nacctgtttg catgccaaatt ttatgggttat taagctcacg 120
 aacactgagc acaactgaac tcaattccct ctggaattca tgccaaatga acggatccag 180
 gctccaccag atctttctct cactaccacc aatacgtat ggcatagctc tcaattggca 240
 aggcattctgc acactttgaa tgacccccctt tcatcttttc acaaacgcag taaaccttat 300
 cctactcgcc tacgttattg tgtcaatctc cctatgcaaa tccgcaacca gagcgatccc 360
 cgctacaat taacctatac tatcctccat gcacaatcga attccgtcca caggaatcc 420
 taccatacac ttcccaattc ggctcactac attcg 455

<210> 32778
 <211> 250
 <212> DNA
 <213> Glycine max
 <400> 32778

agttttgatg gttttgagaa gaaatcacat gtgtgtcatc atcaaaaagg cggagaatgt 60
 gaatgcctgt atacatgact ttgatgatgt ccaaagaaca atcaacaac gctcattttg 120
 cttcaagatt aatacaaaat tgtttgcaca aacaaagcct tgattcaaga cttcctcaag 180

atcaagcctt gcctcaccat gaaaggcttc aagcccttca ccgcacacgt aatcgactac 240
caacggtttg 250

<210> 32779
<211> 171
<212> DNA
<213> Glycine max

<400> 32779

cccatgcaa tttattaagc tataattaaa catttaagaa gccattgaaa tgtgccttat 60
gttcaccat ggcgggttga aatgcaacaa tagaaaagcc tttagaaaag tggatcgagg 120
aaciaaagaac aatatcgtag tttatatatta acgcttaaaa cattattaca t 171

<210> 32780
<211> 210
<212> DNA
<213> Glycine max

<400> 32780

agcttgaagt acaagaaatg agtacaaaga gagggagagg gggggggcac caaatctata 60
cctcaaataa ggtctgaact ttgaagtta atttctcaca tgatcaaagt tgaaaaatgc 120
acacacacgg cctttattta tagcctaagt gtcacacaaa attggagggg aatctgaatt 180
ttattcaaat ttacttgaat tgaattttga 210

<210> 32781
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32781

aaacatatta attatgtata ggagatttat tatccatttt attagnatat attttatacc 60
aatgtcataa taacaaaaat aatccactta attagttaat ttattatcat gaaatgtatg 120
taattaataa atatttaatg cttaaggttt aaaacaatta atatttcaaa acacctctta 180
atcacaaaat aaataaataa aaaagaacag aacaaaaaac gcacacttat ttaatcacat 240
tntataatca acattgcaca aactcataca cgcgttatct cttatttcat aggcacgggt 300
tttcattctc tttctcaaca cctttattcc atctgtttca agctttaact attatnatte 360

gatggagttc acatattgtg attgtcaaac ccaaaacatc atcacaacac caccce 416

<210> 32782
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32782

agcttgcttc tacaatctcc cctttttgat gatgacaaac ctgaaatcaa gaaacacata 60
cacattcttt ttcttagtgc atcactcact ntattctcca tattctcccc ctttgttttt 120
gagtttatgc ttacttgaaa ttaagttaat tacttatgtg agttcttgat ttgattccta 180
tttctctccc gctttggcat caacaaaaag ccaaagtgcg caacaaatat aaaacataca 240
tacattacta atcattcaca agacattcat tgaaaaaatc taaaccaatc atgaagcaag 300
aaacatgaat agatcacata tataaaaaacc acatagtcac ataacataat tcataattgc 360
tcaatcatac tat 373

<210> 32783
<211> 419
<212> DNA
<213> Glycine max
<400> 32783

gcgggtctgg gagacgaatg tcaagtgggt tctatatgtg aagatgatgt tccaagaact 60
ctggatttgg tccgaccatg cccttctgat ttccagctgg gaaattggcg aatggaagaa 120
cgccccggca ttacgcaac gagcataatg taaaccttta cggtttttaa agctctatag 180
ttgggcctag gctttagagt ttccattttg ttaaggcttt gtgtcttttg tttttgaatt 240
tataatacaa ggatctttct tcatctgttc ctagtctcta cccattctca ttcatattgca 300
tgtttacttc tttttctaaa acggcagatt cgatgacgag tccccgaag gtactaatac 360
ctgggacccg tctatcaact tcgagcaaga aatgaaccac acggaagatg aaagagatg 419

<210> 32784
<211> 213
<212> DNA
<213> Glycine max

<212> DNA
<213> Glycine max

<400> 32787

agcttggctt agcacattac tatcaacaaa gaattgtcta agtgacctgg gctcaccgat 60
tcagcctcgc ttatccacag gtagttcagc aagaggatga gtattcatcc tcaaaggatg 120
aactcgctta ggcgggtacg cacgcttata gagttcttca gagaacgcct ctatacaatg 180
agaactgatg aactcactta gtgcagcatg ctgcctacc gagttcattg tgtcttccac 240
acaacacaga aaacgcagct cgctctcttg cacttttcaa agctctaaaa ggcgtattac 300
acatgcactg tgtgcatcat actcaatata atataccaac gcaaatagtc ct 352

<210> 32788
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32788

gaagcaacgg ncttttttgg atataaaten tgatgctttc tacatccgct catggaagag 60
cgttgatagt tgcctttatc aggcaatacc aatacaatac taacatggct cctgacagaa 120
cccagctgca aaatataagc aagagagagc atgagtcctt taaggagtac gcccaatgg 180
ggagggactt ggcagcacia gtggcacccc ctatgggtgga aagagaaatg ataactatga 240
tagtggacac gttgccagtg ttctactatg aaaagttggg gggttacatg gcctctagct 300
tcacagattt gatatttgc 319

<210> 32789
<211> 330
<212> DNA
<213> Glycine max

<400> 32789

gcacgggttta tgaagaatgc gggagcttct tcggcgcagc aaaaggacgt tccccagta 60
taatactcat accatgaagt tcaccctatc gatgctcct ctatttctat atgctttcta 120
aaacttatta tccctgctta ccatattcct cttcctctct aaaatctatc atccctgctt 180
accattctgc tgctcctcct attcctataa gactcctcta agccctactc agaaagaaca 240

acgacctaataa ttgtgcccgc atccaacttt ttgccccttg aaggcctttt gaatgttcat 300
tccatttgcc caatttcaat gtctgtccac 330

<210> 32790
<211> 159
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32790

tacggaagca ctcttttgag gttgttttca gctattgaan acatcccgtg cctacaatat 60
gccaatcaga tcatgggtat gtatagaaaa gacgcttcca tgcctttgat gtacgcatta 120
caaatgcctt acttgatttg tatgccaagt gtggatgca 159

<210> 32791
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32791

aggcgagcgc cgtgacgcgt tgaatgccgc atgtagacaa tacgcttttg cganctcgca 60
cacgcttatc ctatagagtt tatctttttg catgcaattt tgaataaat caggagacat 120
gagaagggtac cgtaatgacg cataccatca cccacaatat ccccatgata cacactgcta 180
ccattgatca tgaatggaac tttaccacta tccaatgcat aatccgatct cagctcgcaa 240
aacataatcc cttaactatc tctaaccac tatatccaac tcaatttgct aagttcacgc 300
catgctatgg attaagcctt ctacatcgca tacactgaat cactcatact ctcttctta 360
atcttctccc cattccacta accaaatcct atcattgcct ttatgcaccc cacccaacaa 420
ctctctaaga aaaacgacta tttgtcctga taaccccc 459

<210> 32792
<211> 291
<212> DNA
<213> Glycine max

<400> 32792

atctttctgc tttcttactc cacatacaac cagatcagga tgcacactcc acaccacgag 60

aaaacgacat tcaactactaa agatgccaat ttctttttaca tggccatata cttcggcctt 120
 aaaaatgccca gtccctacata ccaacgactg atggactgag tcttttagaca atagatcgga 180
 ccaaacatcc acgtatatgt ggacgacatg gtcgtcaagt ctaaaagcat agcccaacac 240
 gtggcgagacc tacaagaatt ctttgggggaa ctctgcaaat atgacatgtg c 291

<210> 32793
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 32793
 agttttaagc aaactcggat gacaataacg ggggagtcgg atgtccgatt aacccaattt 60
 atactctgag acgctcacaa tcgaatgcag gagctctcac caaattccaa tgacaataac 120
 ttttcaactcg gatgtccgat cggaccccg c aatataccta gaagcccca atcgaaaaca 180
 gaagctctga gcaaat 196

<210> 32794
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 32794
 agctttatgc ttatgatgcg gcgattcttc ggataaagga aagagagaca gcgaatgcat 60
 atttttcttg tagtctaacc ataaccaaca aatgaaggc tcatggtgga gtgaaacagt 120
 cattattgca aagattctga gatcaatggt ctcaaacctt gattatgtgg tatgctcaat 180
 tgaagaatcc aacaacttac acatgatgag tate 214

<210> 32795
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 32795
 atctttgctt gtagcttcaa tggagaatga agaagaagag aatggcaacg tgagggagag 60
 agagagagct gtctgaaaag tgtggggctg agtgaagaga gagagagagt tgctttttta 120
 ttttaaaaaa aagctttttc ctcatcttctt attattttat tataaactat gccacatgtc 180

tccatttgag tggagcaaaa agggcccact tccccttttt gactgtgacc catactcagc 240
 cacaaaagtg aggaaaatct gacctttgaa acgctaaaat cttgcctcgg ttgcatgcc 300
 gtttctatgg ttccagttcc tcgcgtttct ctgcg 335

<210> 32796
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 32796

tcattgcgcat atttccttac atacgtgctc ttgttcatta catttaaccg aaaaagtgca 60
 cgcgtgttct attaatgcag cttcattacc tacatcattt acacgtactg ccaaggtgta 120
 tttgttactt acatcacacg catctccttg gctgaatttg catacatgca tactcaaagc 180
 attttggggg accaaaaatt gcacatgtgc acatcttggg atttctaata cctatatata 240
 cacaaacttc atgatgaatc ttgactatct tcacaaaaag gtgctacact tcatcccttt 300
 tttcaagttt ttgctaccta aagccgcatg caaatttaag catatctttt ttgcggaacta 360
 aaattgtatt ccaattaaaa agtatatctt ttgtaatatg ttttcttcat gccacat 417

<210> 32797
 <211> 207
 <212> DNA
 <213> Glycine max
 <400> 32797

acccgccgac cccagagtta cccgcagcat gccatttttc caccgacgggt cccgaaagct 60
 gcgccatcta caaaccaaac acacttcac cccacaccta ccaacactca accagctctt 120
 acagcagaaa gagtctctac gcgctcattt cgaacggcgg aacgaaatga aacggaacac 180
 actggagaga aacaaaacac aatacaa 207

<210> 32798
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32798

ttaacaacta tttcggacgt gcagtttatg ttatgaaagc cttctttttac gggtctcana 60

gcgtattaga ggcttctttt caatggctac tagatgtaat taagtcttta cagaactgag 120
tgaatgaact gaccatatta gaaaattaca ggacacaaga aatacctcca ttattatcag 180
ttaatggtac aagagtcttc aagtgcacat gccgtgcata caataatcaa aatcaagaca 240
agcacaaaac atgcaaaaag tgcacaaaaca tataccatga aaaaataaca atacaaaacc 300
caataaaagc ctgtcccgtg aataggtgtt ctgcg 335

<210> 32799
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32799

agtttcacat agctgtcagc taaattagga gccatgaaga agtcaacata cccatctaac 60
attttcagat gcccagccta naccatgag aagggagaag aaagaaaaag ggcattgtac 120
tgtattgaaa tccatggaga tattctacca gaagaagcat gtgtatcaac taattaatca 180
cctgtatccc attacttaga gcaccaccaa aaaggataag tattgaatca catacaccac 240
tggaatcacg gatgacaaca gcattgacct taactctctc acccaaaacc aaccaagggc 300
aaggaatggc ctggtaacgt gcattcactg aattctg 337

<210> 32800
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32800

agcttctacc aatacccatt cctacaactt attatgaaga ggaagggggg atcgaagaca 60
catatatgga catagaaata gagatgacaa cacaaatttt agaggcaata atgaccaatt 120
ccaaggtaaa ggcagaggaa gggattttga aaagtctagg gtggagtgtc atagatgtca 180
ttgtagaagc aaagcttcat ggtgaatcaa aggtgattca aaggtgtttt gatgataaca 240
atgatgataa caaaagatga tgacaaaggc gatgacaaaa agtcaaaga tcaatcaaag 300
aacaactcaa gtgaatcaaa gatcaatcaa agaacaactc aagtgaatca agaacantnc 360
aagagtaaga gtcaa 375

<210> 32801
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 32801

agcttgtagc atattgaaac ctcaatatat cgagaagctc gacattgaaa gaagaaactc 60
 tgagcaaatt gaaacgacaa taacttttca tttggatgct cgattgagta ccgcaatata 120
 tcgagctgct cgatattgga aacataagct ctgagcaaatt tcaaacgaca ataactcttt 180
 actcggatgt ttgattgagt cctgtaatat atcgaggcac tcgaaattga aaatcaagct 240
 cgaagccaat tcaaacaaca ataagttttt actcggatgc ttgattgagc tccttaatat 300
 tttgagacgc ttgaaa 316

<210> 32802
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32802

cgcgatttgt ttgcnctgtg ctagnctgng acatttggtg gattagcgac caccgaatta 60
 nacgatataa ctatttactc ggatgtctct ttttatcggg taatatatcg agacgcgtgg 120
 tattgataat agaagctctg aaccaattga aatgacaatt actttatata cggatgtcct 180
 gggttgagtcc gttatatatc gagacgctcc atattgatac aaaacatttt ataaaattaa 240
 accacgataa ctttttactt tgatgcccgga gatagtggct taatttatcc agagatggct 300
 caaatgaga acggaagctc ggatcacatt caaacgacaa ttacttttta cttggatttc 360
 tgactgagtc cccgtatata tcgagatgct aaaatttaaa ttccatagtt ctggaaaatt 420
 tggattgaca tgactttata cccggatggc ctgttgagtc cttgaatata tcgaaacacc 480
 c 481

<210> 32803
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32803

agctttggct ccatttatat ctaaaataaa aacacgggtgt gagtcttctt gcttcataag 60
ccacaacata gaaaggccta aacacaagtc aaaacacata agactaacia ccaccgtgtt 120
atgggtcatct atcggatctc acacgcatnc taagggtgtca tttttcacta tctcaacata 180
catattgtgg tcaactacca ctagaactct caaaactcag tgggtcttcca acattctagt 240
ctggatgaat gctacgagta caccttcattg acaatataat ggcacgggtct tacctattgg 300
ctatgcctca cacttgctga gatttccaag ttgacactat ggaaactcga ccacaaactt 360
ggtgccat 368

<210> 32804
<211> 381
<212> DNA
<213> Glycine max

<400> 32804
atttaaattc ctaagatcat gagcatctat ttgtgtctta ctatgaaaag tggtcagata 60
acaagcatag attcaaaagg tactaagttg cctcctaaga gcgcttcttt aacgtcttta 120
actggacgca tgatggcttg taagtcacgg acctaacact ttgcttacct ttggcttttg 180
acttggctgc ctgctggctc gccatgtgtc gtatgcaata ctcaaactt tttgtggatg 240
agcagaggtg aactctaaag ggggtggcgg cgcgtctatt gcccgtacc gaccatcccc 300
aggctgctgt ggtgtttcgc cctgcgcctg cctggagacg caatactttt tgatgaaagc 360
atcattacta gggggcctga t 381

<210> 32805
<211> 209
<212> DNA
<213> Glycine max

<400> 32805
agttttggct ccacctttct ctattttaag aacacaccga gagggttctt gcttcataac 60
ccacaacata caaacgcta aacaaaagac aacacacata aactaacia ccaccgtgtt 120
atggccatac atccgatctc atacgcatac caacgcgcca ttcttcacta tctaaacata 180
catattgcgg ccaactaccc ctacaactc 209

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac tggactgatt 60
catttgcttc caaagtttca tggccttgca cgtgaagacc cgcacaaaca tttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcatcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240
aggtccatca cgagctggga tgaccttaag agagtattct tagaacnaat ntccctgct 300
ttcaggacca caaccatcan gaggatatct cacgtattac acaactcagt 350

<210> 32812
<211> 326
<212> DNA
<213> Glycine max

<400> 32812

ctttatatat atagaggcct gtgtcagctc gcatggaact ttgaataact ctatttcac 60
aaacataatc accaaagaga cattcctaaa acgcaaacag aaggtacata tggcataaaa 120
cctcagaatc tgagctaaat gaatggcaat tatattatag atgaatcctc tgcaattgac 180
actgattcac tgaacaggaa acttaccttc atccctctta cactttccaa tgteccacaag 240
ccccatgggt ggcccaatcc ctcccatagc cacaagttca gtgaagtggg gattgcatg 300
gccatcccct cccatagcga aacagg 326

<210> 32813
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32813

agtttatcaa ggaagcgatc tagtctatag ggagaagcat gtataaact cgttgcaact 60
ttgatgaatg aaagtcttat gagataact tcaaagttcc acttctctcc ctcttttagt 120
cccttaattt cgctctcccc ccttctctct ttctttctct ccattaaagc atcctcttta 180
agcttcttat ccatggaaat tcttggtggg gaagcttctt cttncctggc ttattcccta 240
gtggatgggt cctccctctt cctcttctcc ttttctctcg atgcatctca tgggtgtaaaa 300
cccactgaa ccccc 316

<210> 32814
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32814

agctttcttg ttaaaactgc cttgagaaaa cgtccttgag aagctagagc ttanctacac 60
 acacccctct aataactaag ctcacctcct taagaagctt cctttagaag attcctaaag 120
 aagtcagagc ttagttacac tcacctctct aatagctaag ctcacctcct tgagatgaga 180
 agctagagct tatctacaca ncccctataa tagctaagat ccccccatg ccaaaatata 240
 tgacaatata aaaaaagtcc ctactacaaa gactactcaa aatgccgtac aatacaaggc 300
 taaaacccta tattactaga ctga 324

<210> 32815
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 32815

ctacatatatt tctatagtgg tttgaaacct cagacaaaga tggttcttga tgcctcaact 60
 agaggtacta tgatgtctaa gagcctaaag gaagcaattg taatcattga ctccattgca 120
 gcccatgatt atcagagtca ccatggtagg actccaattc aaagaaaagg tataatgaac 180
 cttgatactc attatgcaat tttaagtaac ctttatcaac taaatagctt acaaaagtta 240
 agaataattt acctaagaat tgtcttcaat cttctctatt ggactagact tagaccaaac 300
 atcattattg taacagcata tttaaaccac tatttatctg ttatccctca tttaaataa 360
 gtcc 364

<210> 32816
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32816

agcttatcct tatggcctgc ctgoggactg gacccccctg gccccccgg aagatctaag 60
 ccaagccctt actttcgagg ggcaactccc accttatgaa gactatcccg ggcaagacga 120

tggggaatga gatacccatc ttggcccccct gctncacctc aaagatccat ccccgcatga 180
 actaccccag ccgaacatag tccactatat cccggcctca cccacacccg taaaagaatc 240
 tgtctccttc gcggaagata acggaagat tgacgcgctt gaagagaggt taagagcagt 300
 cg 302

<210> 32817
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32817

aagagacaaa tattccaact gacttagatt agcatattct ttntgaatga caaacaatgc 60
 gcctaccagg gaaggagagt ctgctgatgg aatctcccat aaccataaat gagattttgg 120
 atgttagcat ttcgtttcta aatgaccatt tagaggaaac actgggttcg acaaaaatag 180
 aagaaatcca ctcaaagtgt atcaatctcg cacaggtaag tgtttcatcc taattccgaa 240
 ccatagatat gtcatgactt gactttgcaa attatttcct atcaaataa aaattacatg 300
 cgtgatcatg gatcaatagg gcttcccttg ggaatgggtt cttttggtgg tctcttcttt 360
 cggtttttgc gtgtatttgg cttttgatcc tcttggtttt ttctttttct gttct 415

<210> 32818
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 32818

gtactgcagc ttgcaagttt ctctcgagct cgtcgatgac acaagcagca agctgccaag 60
 cttctcttga gtcatttgcg atcgtgggtg ggacttgccg cttccaacaa aaccagtcta 120
 ccaccgcacc gcgctgccat gtgcgatgtg ttctggtctc gcgtcgtctg gtctcgcac 180
 gtctgaacag ctccaacctc ccgtgaatga agaacaggga caaacaccaa atgaaagaac 240
 caaaatccct aaagcacagc ggaccagtgg gcacacaatg atgtcgtata gtggaaaaaa 300
 atatctcaac tgaactcgcg tgattccgcg t 331

<210> 32819

gtggttggtc tcccatgttt ttcgtcatga aggtaggcct gtctatcctc tataaagtca 300
tcacatgtgc cctgaaaggg aaaagcaa t 331

<210> 32822
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32822

tttttagccc tcaattttta aaatcataag ttttcatcca tgcattcttt aaatacccaa 60
actgaaattc cttaaagctag caatgtacgg ggcaaaaact tataatttta aggattaaat 120
tctggatatt taaaaaataa acaatacgaa aacctgacga gtagctactg aaattttccc 180
tttaaaaggt ccacagatga aaactttnaa ttcacgacta acacaaacat gac 233

<210> 32823
<211> 355
<212> DNA
<213> Glycine max

<400> 32823

agctttttgt ggggaattta tccgatctag gtgataacaa ggctgggtgac tcgctaacag 60
ccaaggcaaa ttactaaagc caactttaat tcttttcact ttcattctat caccaaata 120
agagccatta cagaagatgt gcaactatctt gatagaattt tctataactt ggaattcagc 180
ttctcttaaa taaattaaaa ttaaagatct tttgaattca tgaattgcta ttttcattat 240
tggtgcata tgttatgtat aataatactt tggattggtc agatttgcatt ttaatgctag 300
ttgctcaatg gtgcgatatt atctataata tagaattggt ctgtaaagaa ccatg 355

<210> 32824
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32824

agcttgcttc aaagaggtcc aggaatgaca aggcagccga aggaactagt tccgctccgg 60
agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120

gatggtcgtt tctccgggag cgacgcgtcc agctcacgga cgaccagtat actgatttcc 180
aggaggaaat acggcgccgg cgggtgggcat cactgggttac tnccatggcc aagtttgatc 240
cacaaatagt ccttgagttt tatgccaatg cttggccaac ggaggaaggc gtgcgtgaca 300
tgagatcctg ngtaaggcgt cactggatcc cgtttgatgc cgaccta 347

<210> 32825
<211> 158
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32825

tcttcaagaa taaatagttc ttcacattct accataatat catgtntact cactttgagt 60
tcatcataat ctttngngtgc ttgtgogcat tctctccaaa gatcacatct tttttctttt 120
ttgatgaata tgtacgtcat taagttcctt aatatcct 158

<210> 32826
<211> 356
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32826

agctttgaaa gtatattttg actaaataca ctcaaaaggg accaaattgt gacaatattt 60
gactaatagc attaattggt tcaatgctaa tacgatattt ttattttata tagaaatata 120
gtattgtatt agcatgagaa aacataaata aaattaagac aaagattaaa acaacttaaa 180
aaagaaaaaa tacagataat ttaatttaata aaattatgtg agctaataat taatgttttt 240
ttgtattgaa taattagttt atatataata ataaatttaa ttatatgata taagttggat 300
cgggttgggt taaaaaaata taacttggtg tccaacccgt atatgattan gtctta 356

<210> 32827
<211> 413
<212> DNA
<213> Glycine max
<400> 32827

ttggagggtt tggatgaata cctcaatgat gcattgaacc ttgaatcgag ttttgaagac 60

ccccctaatt ttattttatt gatattttat tatttaataga tttgtagctg tcatgcgtgt 120
 tggtcgttgt tgtattactg agtggttttc atgtgtgttt taatggaaaa agtgtgaagt 180
 atgaattgaa attgtataag tgtcaaaaag ttgccctcat agattgaaat cttgaagtat 240
 tactgagtgt ttttgccact tcgataattc attttagggg tgaatcgaga cccaaaat 300
 gtcttaatag tttcattgac atgaaaaata caggaataaa aaattatttt aacaaaaata 360
 acttatacac ataacaatct aagtgccaaa aattaccctt atgaattgaa atc 413

<210> 32828
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32828

agcttttctc tgtatacatg gtccggaatt gtggaatnca ccgcactcct aagtcctct 60
 ttgctccttg ccttggtatg aaccagctc actatgccct tttttcccc aaattctggg 120
 tcagttggcc ttttccagct tactagtcc atcaacacca ctccaaagct gtacacatca 180
 ctcttctcat tcaactttgta cgtgtagcca tattctacac caattcaaac aaaatccata 240
 cattaataag catgattaaa gatcgcaaat taacatacac aatacactac aactcatctc 300
 ttatcaaaaag acaggagcta ctactcaatg ctaaccagga gcaat 345

<210> 32829
 <211> 287
 <212> DNA
 <213> Glycine max
 <400> 32829

gatcggccaa taactggcta gttaagtatg tgaaaaaatt ctttgcagtc caaagactaa 60
 tgcccgggct taaagttatt tacaccagaa ccataaggaa aagtttaatt caacaaagaa 120
 agaataataa attacgggga caaaattcgc attgatgggg aaatggaggt acccaattga 180
 ccaaattgtt aaggcaaaga gagaaaatgg aagaggactt actatcagct gcagaaatct 240
 tgagctgctc aagagcgggg gcattatttg gagcaccga tgatgca 287

<210> 32830
 <211> 287

<212> DNA
<213> Glycine max

<400> 32830

agcttgaagg caaactggat gcattggtca acttggtaac ccactctggcc ttgaatcaaa 60
aatttgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctgcagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcaac aaaatcaacc acagcagagc aattatgacc 240
tttccagcaa cagatacaac cctggatgga cgaatcaccc taacctc 287

<210> 32831
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32831

atctccatca ttgggggagc acttgagttg tagatccctc tacctttggg cgtaattttt 60
gaaagattca tgttcccttt tacacatgtt ctgtagctac attctatttg gagccatata 120
aaaattgtac tgatactgcc taataaagga aaccattang tcttttttagg aacggacccg 180
ggaagacttc agatngctgc accaggtgat gggtgcccta cttaaactttc ctagaagaaa 240
tgcatcaciaa tttctcattt ttgcgcatgc cccattttct acagtacatc tcaagtgaat 300
tttgggcaa 309

<210> 32832
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32832

agcttgtgca aatcaaatca ctctacatt gcactcttag catgcatttt ctttctttac 60
ccactcctca cgtttgggtt tttagggaaa aacaccataa ctaaacgcgc cgcaagggtat 120
ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
agtatgaagc agctcataga gaagaacgcg gccaccgccg ccgctgtcag ttcggctgcc 300

gaagcagacc cgactctctt gcaactacgc accatnctcc ctcaacata

349

<210> 32833

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32833

aatcttttgg agggcccaag tgggcttggg tgctatttgc atccccattt ttactaaata 60
cacccccctg cttttttttg tgattctttt ttcgtaaagt tacgaaaact tacgaatttc 120
gtaacgatac ttgttttctt tccgtaatgt tacggaacct tgcggatcac ataatcatcc 180
ccttcttgac ttatggaatg ttacggaacc tctaataattg tgaaacgatg cttccatttg 240
atctccagtg tggcacggaa ccttacagat tgtgcatcaa tattntcttt tgtttccgcg 300
atgtcccgga atttaciaat tcttaatgat 330

<210> 32834

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32834

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catccaagaa attgttatga aacatcttga atgatgtcat tcccatatat taagctttgc 120
gagttgggtca aagaaaggaa aaacaattaa agacatagct tttaactatt caagagtang 180
ttgccatact ctttgtcact attcgccaat caactactac tatatttaca tccggtcatt 240
tccaacactc cgtagacact attcataaga actctaagag tgggtctaaaa tccatttgct 300
atctttct 308

<210> 32835

<211> 405

<212> DNA

<213> Glycine max

<400> 32835

cttaattatg tctcacttaa ccactaaggc attttattta tgcttacaag gttgagattt 60

tatgtttctt ttattttcta ccaagtacat aacaattgac ttgtagcgat cctcaaggct 120
tatcaaacat cattgattgt ggttcctatc ttgttcttcc tttcacattt ttttgtttcc 180
ttgtttaatt cccgcaatgc taattttgta attctgtccg aatttcttat tttcatatct 240
ctcattatac ttaacctttt tcggtgtttt tttgtgccta cattgcgttt cataacgtcc 300
tctttcacct cgttttggaa tcattccatt ctgtgtactg tacgctaaaa aacaaataaa 360
agttaaaatg catttatggc tcaattggtg tgcgaattcc attct 405

<210> 32836
<211> 331
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32836

attatggcgc acccatcaga tgtggtacta cgtggcggtc gggcgatggg gcacaacaag 60
ttttccacat ccacaaatcg cgcataaaca caccatcccc tgttgcccac ctccaactga 120
gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt ccccatcaat 180
cctcccaagc ttccccaaca tgcaagtaat tcaacattca acagcacaaa ctatcacagc 240
caagataaca cggcaaaggc agaaaactct gccataacac caaccacaat cacagttttt 300
ctcacttaca gaccncacta acaattcctt c 331

<210> 32837
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32837

agcgcggccg ngttagctcg ttgacantcg tttggatagc aacanacgct tgggctaagt 60
ggcttgggta aaatacccta cttagtgta tttcncctt cgaaccgtgt ggaagtgtga 120
ttggtttgcc aaccgcctga ctctttcttg aagggtgatc ctaaaacaac tacctactcg 180
tgtaactcta agaaggaagg ggattatcgt ggaacgatggg ggggtgtgttc ttttcggtga 240
tgatcacgac gaatcacaac actcgttgat ggggtgcacc ttctcatacc tggatctggc 300
gcatcaccta tcaattggtg gtgtatatatt gggcaagcta gaatagtccc acatttcaat 360

acatgcaacg cgggtgtagtt tgtcagcgga aacaggacgc ataaaactga ccatcccatc 420
tcgtcctgggt tcgatcgact cttttgttaa acacgaactg tctacttttg cc 472

<210> 32838
<211> 318
<212> DNA
<213> Glycine max
<400> 32838

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aagacaaaag catgattgat cagagaaaca tctctatata catcagcctg gttggttacac 120
agacctaaca tctttaccta ctactgtcag tcttacgggtt tttagcctag acttagctta 180
actctgctct aaatcatcaa ttatcaatgt ttctttcaac aatgccttat ctctgaattt 240
aaccctatct aagactactt ccctgagttc gatactcgga ttcacccgct ttaattttta 300
atacttgacg atccgatg 318

<210> 32839
<211> 395
<212> DNA
<213> Glycine max
<400> 32839

gttatcatga caacgataca tggattacat tataatcttga tgcaatgaca tatcccatgt 60
ctgttatatc catccacttg tccacactaa cctaaatcac aaaaacatac atgtgtcagt 120
catgtaaaca ttattttataa aaaaaggcat aaacaacata ccttggataa cccatccaca 180
tgtagggaca acctcaactg ttcaaattct tccgtgccac caaagagctt tatgtagtct 240
tgtgaccatt tgccatgttc tttaatcaat tcattgcgca tcagtgccca agattcttct 300
cccatatcga acaaagcagc aagtgactga tatccacagt taccatctgc tttcacatca 360
ataatgtcct caatgaaacc ctgtataaat ggtgc 395

<210> 32840
<211> 194
<212> DNA
<213> Glycine max
<400> 32840

gaatctttcc tgtataatat agagcttggt ataccctaatt ttcgtctggc gaccgttgat 60
 tgggtggaatg caaccttcgc ttcaccgctt ctaggtactt aacacccgcc gttaggcaat 120
 ctgtgaagtt ccacgacatg tctgaagtcg aaaggaagca ttgttgacaca atccgtatag 180
 ttctgcaaca ttcc 194

<210> 32841
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32841

gcgaacaggg ctattannct aancccgctt tgaaatagcc ggctacgttg gcaacgagac 60
 acggcactac tttctagtcc aaaaagtaag ctagccgcgc cacaacatag atgcgacaat 120
 atcccaagct ccccgaaaag aggttaggac ggtgatcgct cttaccccag aggcaccatg 180
 tggatggacg gttgctctac ccttgacggg agtccagaac tttcccgaat ggtagccaag 240
 ggccaaagcg atgacagaca cctactcccc cccgaaaaat atacgggctt ctcgctattg 300
 taacgtatga tagactaagg cccacgtaat agaaatcgta gaaacttggt gacgctcaaa 360
 cctgacaata tacttctttt gaataaatga gttgtccatg ttctactcaa acctggcaat 420
 caatct 426

<210> 32842
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32842

aggtggcatg ccctacttgc gctttaacga tcaaattgaa acctgcaaaa tcagagtcta 60
 caaaggctgt tagattcaag gaggtacctt tgggatacca cacacctaca tcgggtgtac 120
 ccatcaagta tttaatggtc cttgaaacct gccaaatcag aggcttgaaa gcctgttata 180
 tttaaagagg tacctttggg ataccacaaa cctacattgg ctgtaccctt aaggatattta 240
 atggtccttc taactgcttg ttaatgagat tccttacgat tcgactgata tcttacacat 300
 aagagaacac ctagcatgat atccgatcta cttgtagtac gtagagagtg atccaatcta 360

cctatatatt tgn

373

<210> 32843
<211> 126
<212> DNA
<213> Glycine max

<400> 32843

acaaacatta tgacctcctg caaaatcacc ctgatggaga tcaccttaatt aatggctacc 60
ctcacacaca acgcgctgtc ttcttcaa atgttgccat aacatcatcc tcacaatcac 120
acacac 126

<210> 32844
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32844

agctttatga taaatgaaac caaccttgta acatgatgta ttgcatttat ttccatcatt 60
acatagcatt ttgaccaaaa ttacattgc atattttgca ttttaagcctt agtcttaact 120
tgttttcatt gttttccctt tcttttagaa cttgttatgc gtgtcttttg ttgttagcat 180
aagttttggg cttggaaaca ctcaagtc attggaagacat caaggaatgt agccaagagt 240
ttttaaggtc caatgggtga attgaaaaca atttgggaga gtctggaaca tctcatggcc 300
tatgagatcc actgtttnta aacttgtaaa tcttgtagag catctcaagg tcgtgagttg 360
catctcacac atgtgaagtc gacagcataa ca 392

<210> 32845
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32845

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gggttgcttt ttgtggactg gcggggactt gccgagcgct ctaaggttct cttccctct 120
gcgtataatt aagagtcacg ctttttgatt gtttactgcc tccatataat tcttcgtaag 180

tcactaaagc ggtgatccat ctccacacat attttatcaa tagcaacata naaaatctct 60
gcacggtaat gatgaagaat agtgatagtc ctcccttctg ctcttgaacg accccgaact 120
ggtatttcgt catccatatt tggtagcaga atactnttag caacacaaaa tccttggaca 180
tcggcaaaaa aattattcca gccactctct ctcatgtgc ccaaccgagc ttgacaaca 240
tcaactaatt ccatggcatt cacaatatta agatcttntc tttgcaatat atttgaaagc 300
tc 302

<210> 32849
<211> 124
<212> DNA
<213> Glycine max

<400> 32849

tgaatatata tatatatgaa agctttttgt gaaatcctta agcttttaaaa gaagtaacca 60
tgatagatgg actctgttat cagttatgtg tataagggga cccaaacaga acacttgta 120
cgat 124

<210> 32850
<211> 178
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32850

taagtattaa atggcagcgt caaggagatc aaaatacaac ttattttcac aaattagcac 60
atattatgca tgcagctaag aagatgtcag ttcttcaaag tggggatggt atgatggaat 120
cccaagaagc tctggatgtg cttggctggt tctcgtatat ntatgggaga caataact 178

<210> 32851
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32851

ttttcttcat ggaaacaatt tttccaagca aattcgatag agagagaagt tcctaagggg 60
ttgaaccctt tntcacttca cttctcccc tatttataga caaaaggcgc agaagacgac 120

gttagtctct acgtgctatc atgctntgag tcttagagat agcanaagaa agttttaaag 180
 tgcgggacca aatgggtccc gcatgtcatc gggcccgccg cctctggatg acanaaggcg 240
 cagaagagga cgtagtctc tgcattgctat catgctttga gtctt 285

<210> 32852
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32852

tttcttggtta gaggtaaaac ttcaaacct tgccattntt tctttcatct tcttattcct 60
 ttaacaagggt tcattatgag tcttgattta ggcattgtca cgttggtttt ttgttacttg 120
 gtgatatatg atttctatca atacttcttt gcatgtcatt ataactatca tatntagata 180
 gctntttcat tacagaggca atgtagtttt ggaacatcaa ttttaatgggt tcctcttggt 240
 gttgtcctat gttgtgtcan cgtttaacgt tagattaana attaagccca attatata 298

<210> 32853
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32853

gggcctttcc aagtggaagg ccttggagga aagaggtatc cctatgttgt tgtggatgat 60
 ttctccagat ttacctgggt caactntatc agagagaaat cagacacct ttgagtattc 120
 aaagagttga gtctaagact tcaaagagaa naagactgtg tcatcaagag aattaggagt 180
 gaccatggca gagagtttga aaacagcaag tntactgaat tctgcacatc tgaaggcatc 240
 actcatgang tctctgcacc atcacaccac aac 273

<210> 32854
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32854

atgaagaaaa agtggagaag aacgtttctta tacctgctcg actatctcaa gaagaagctg 60
 aggaagaaga tccaggtgaa ccaccttcac ctctaccata acaacaagat caagaactag 120
 catcaccaga gtttactcca agacgagtaa gatctttggt ggacatgtat ganacctgta 180
 acttggtcat acttgaacct ggaagctctg aagaagcgtc aaagcaggaa gtatgggtca 240
 agggcaatgg agaagagata canatgatcg agaaaaa 277

<210> 32855
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32855

tgtctttttc accaagagag tgccttgat aagaagctta gagaggaaac ttcaatggag 60
 gaagataatg agagagagan agtggcatga aaaattgaag gaagaaaggg agagaggttg 120
 aactttgaag tgtgtctcac aagactctca ttcacatcanag ttgtgacaag tgttacacat 180
 gcttctatct atagcctang tctaacta aatgaaattc acttgtcttt cattntatgt 240
 gaaactaaga agaattattcc aaggatatgt canaggcatc ttagcatatt ccaagaatat 300
 gccaaaggca tcttaataata ttctcttttag atgtcacaag aataaaaagg gtgactctag 360
 cacatggaaa aggaatatgt cacaagaata ttctaaag 398

<210> 32856
 <211> 192
 <212> DNA
 <213> Glycine max

<400> 32856

aagtggagaa gaacgttctt atacctgctc gactatctca agaagaagct gaggaagaag 60
 atccaggtga accaccttca cctctaccat aacaacaaga tcaagaacta gcatcaccag 120
 agtttactcc aagacgagta agatcttttg tggacatgta tgaaacctgt aacttggtca 180
 tacttgaacc tg 192

<210> 32857
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 32857

ctcgtattgc atcaccattg gtggaggtct accaaaaact gcttgaaatg gtgtcatacc 60
 caagcttttg tggaaggaag tattatacca aaattgagcc caaggtagca tagtaacca 120
 actcatagga tgatcaaata caaagcacct tagatacatc tcaaggggtct tattaagatt 180
 ctcagtcagg ccattggatt gagggtgata tgaagagctc atggccaatg ttgtgccttg 240
 agctttgaat aattg 255

<210> 32858

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32858

cgcccgaccg ccacctagta ccacatgtga tgggtacccc ataatcctac aagcttgaga 60
 tgaggaagtg ttgaaggggtg aaacttcctg ctnttattgt tgaccacaga gtggtacctg 120
 gagatatgtc gcggggggtca ggagaccttg nggacgtcag gtgggggtgct attgccccaa 180
 accaagcttg accaatcccg acccaacccg ggcatagtcg gtcagtgaga acctgtgatg 240
 tacctaaaca ggcgagctcc tggcagt 267

<210> 32859

<211> 384

<212> DNA

<213> Glycine max

<400> 32859

tactcagctt gtaaagaact taggaaaatc aagaacaaac ttgttcgctc atcgttcgcg 60
 tgtttgatat ccactcgaca aggtttgaag taaaggaaac cttcaatcct ataacgcaac 120
 gtggcggaca aaagtgggca gttaacttga atgaccttta ttgtcaatgc ggaaggtatt 180
 ctgcgcttca ctatccatgt tcacacatta ttgcaacttg tggttacgtg agcatgaact 240
 actaccaata tatagatggt gtttacacga atgagcacat cttataagca tactccgcac 300
 agtgggtggc tcttggggaat gaagcggcaa ttctccttc tgatgaagca tggacactaa 360
 tcccctgacc caactacaat tcgt 384

<210> 32860
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32860

tatccttatg gcttgccctcc ggacttcaact ccccggtgctt tcccgaaga attaagccaa 60
 gccctactt tcgaggggca gctccacact tatgacgact atctcgggca agacgatgag 120
 gaaggagata cccatctcag tcccctgctc cacctcanag attcgtcccc ccatgaacta 180
 cccaaccaa acatagtccg ccatattccg gcttcaccca caccgtaaa agaatctgtt 240
 cccttcgtgg aagataaggg aaagattg 268

<210> 32861
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32861

acactcacia gcnaagggg tggctgtgtc acacgtatat taactggaga tgtggggccc 60
 cggttagaga aacaagtttt tggtttacct tggaatcctt aacctaatg gaggtggcca 120
 caggggatgg tgggtttatg cgcgcttctt ggatgaagaa agcctgggtg gcaccattcg 180
 ccgaacggca cctaataaca catgtgatgg gtacccatt attcttacag cctgaaatga 240
 agaagtgggtg gaggggtgaa cctccttctt ttattgggtga ccacagaatg gtaccttgag 300
 atatgtcgcg ggggtcagga gacccttggg acgtcatgtg ggggtgctatt tgccaaacca 360
 acttgaccat cccgaccac ccggcattag tcgtcatgaa acctgtgatg tacctagcgg 420
 cgagctctgc ngtcacagat naaggatata gaccaagca agatgctgg 469

<210> 32862
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32862

tttgcataa accaccgtga gtggagttcc ttctctcttc actcttctct tcacacccat 60

acgttaaatt gacttgggtc attgtgggct gtagctgtct ctogacttga ttcaagattg 120
gattcaccac acggaagcac tgctgtgttc gggacaccac tcagcatttc taagattggt 180
ccttaccaac ctctccatgg atagatggag ctcanagtgg taattcctat catttccctt 240
ctctgtgctc tgggtttttca tataataaag tgattcttgc ttgatgaatt ctctaate 298

<210> 32863
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32863

agttaaaggc tttangcncn nnttnatcnn naacaaccgg nggngccagt cataatcttg 60
tattctacca ctttatatgg aggttcacat tatgctaattg ctttcattca tgagtaattt 120
ttagctcatg ctagaaactc ggcgtagtaa ctaccctacg gatatcatca taagggataa 180
tatcttcttc tgagaactac taaagtcaca tatatatcca tttaaaacta tgctttgacc 240
tttcttgtgt agctgggtcc tatcacccca caaattaacc gaatcaatag aaattatcta 300
tattttctct ttcaaatggc ctactatccc agaacaatgt 340

<210> 32864
<211> 330
<212> DNA
<213> Glycine max

<400> 32864

ctgcaagtct cacagctcta tataaactac agtgtaactg aaaacagttg ggaataatat 60
cagaattcat aaatctcaca aattctctct ctctctctct ctctctctct cgctatcttt 120
ctctttttga ttatccttgt ctaatttggg atccagagcc aaaaagatcc ttcatgggca 180
gaatctcctc ctctccttc tgctactcct ttctcttcat cgtcagcgtt ctgcacttg 240
atttctgaga agctcgactg attgaacttc ttgctgtgaa agcaacaagt agaaccagt 300
atcaaagcgc atcaactaca ccgttacttg 330

<210> 32865
<211> 329
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32865

gaanantggg tgtgctgata canntntnnn cnnngacaac cgggnntata tgggaattgt 60
tttttcnaac cctnaaacg gcgggttaac cgatccctgg cctagaaaat ttctaagagt 120
acctactgaa ccaagaaccg ctgtgatata acaaattgaa atcgccaaac tgaaaatgca 180
tgtttgtgcc agtgaaaata ctagaatcag tcaaaagggt aaaatagctc ttaatccaaa 240
ggatcgatcc taatgactga gttactgcct gcacaagcaa ttaactttta atcatgtgat 300
atcataggac taaatacgag actgtatag 329

<210> 32866

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32866

agcttatagt ttgcaatagt gcttaggggt ctggttgga gttcttcctt atggccgata 60
attaacttgg gtccctgtct tcatgatttt taagtccact gtgcaaagtt gtttcaagtt 120
tgggtcttgg caagtgcgta caaagatatt catgaccgc tgattaatag gaaagattca 180
tcacctatag gatatgagga gactctnggt gtactgctaa atagctgatt tcttaatatg 240
atgcaaggct aactcaatga tgtctactcc aatatcaatg atatacagtc ttggaaattg 300
tgggtttctg ctctaaaaa ttcagatatt gaaagttcta tttccttaat atcttggttc 360
tatagag 367

<210> 32867

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32867

cggacgcgcg cgaggcaggg gnnnnnnagg gagtcttacg cttaganccc ccantntntn 60
ctnanncnnc ngctctanna tgagganna gnaggaggat gcnnaaatat cnttttgtac 120
aaacacacga gacaccgtgg tgggggcgct aggtgccagt tttcctagga aaatggcggt 180

cacacacctt ttcacacatg tttactgatt aaaattataa aatcgттаат ааатсtсtta 240
aactacctgg caattataaa gaaatggтсc aaaaaaata ttaaaaagtt tgttcctata 300
aatacagaat aatctttgat tattgacaaa tgaggataga aatcctgagt tgaatttctt 360
ttttccaaat ttaaaacaag caagttgttg acctcaatgc tttaatgggc taaggggtgt 420
gggaaggaat taaaagatct tatgccaata caagagggtt gatttttcaa acatc 475

<210> 32868
<211> 499
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32868

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ggacctgaag gattgcagcc tatactanat ctttcttaan ccacacacac actgagcaag 120
tagtcatatt cagtccatac ttccaatcga tcatgctcag tatgatgcат gcacctaacс 180
tcaactctca tatgcaatgt gttaccatcc ccaaaggata tagccctaag cgtgtccata 240
tgacactctc acttangaaa actangcaag tagtgttgag gtcaccoggt cgtgtacagg 300
taacttcccc cccccacag tgatcagcct gaatctcaag ggagttccaa accgagtгac 360
atgcccccaa gtacaagtat tccttctcat gagaaactgc aagtacttac tggacaagtt 420
tatactatтт ccатgtcata tgaagtatga tacatgtggc accatcaatg cactgaccag 480
gataattaa tattctaag 499

<210> 32869
<211> 336
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 32869

agctggtatc tagacncana aatactagtг agaaaggggc cacaatgggg aagttttgtt 60
gtcaagggca acatттtсcg ttccaggгсc aaacccctc cctgtgcacc tctttgactc 120
agtctccact accatatctc ttctctacat ggtcccataa tctttagctt cacactcagc 180
aacatattaa cacacagctt acagcagcaa cagaaagcga actttgtaca acaccaaacс 240

agtttcacta gaccatacat tctcatcatt gtaacgtgac actcaattac ggagtgatca 300
tacccttgga cgggactaca aacgcaaata ttgctc 336

<210> 32870
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32870

aaatacannc cccacnna agttccagct acaccgcaac taataaaaacn gccgnngggn 60
gannnggata atagaaatgg tttttttttt tttngngaac accttgatat gggagggggn 120
agtgggtaga ataaaatgag gatgggttagg atataatgna angnatttgt gggatgaatg 180
aaatttttga tgtgaanatt taaangatcg gaatatataa ttaaattgtga tgggtattna 240
tatttttaga agatttagat aaggaaaggt tgaaggggtga agagtnctgn tatgattgat 300
gaggagaaaag aggtggatgg agatgtgaat agaggagtgn gagaaataga agangtgatg 360
tgtgggtgata ttgaaaaaaa ataatttgtga taataaagaa gggattgggt attattggaa 420
ttagtaaaat gtgtgtatgt aataagtgat tgtatggaat ggaagattaa tgtatatata 480
gtangaagat ggaagttgtg 500

<210> 32871
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32871

ttctttttat gacttcttcg ngctaaatga gtgtggctcg ctaaccgact gcattgccct 60
aatgcctat ggcgcgctga gcgagagtct ccaaactctc acttctcttc aagctttatt 120
ctgagtttct gcaataaata taactccaaa acattataaa ttcatacaatt aaaacaccta 180
ctagacaaaa acttatatga tgccaaaatc ctacttattt acacaaaaag aagcaataaa 240
aagagggaaa atctgacaat ctatattgac tcaattacag gtatacttat gcacaacagt 300
tatcaaacac ccccaaattt aaagcttcgt tttccct 337

<210> 32872
 <211> 158
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32872

tttacaacct cagttccctt cccttatcaa tcgatttcct caaagcagta agatatagat 60
 cgtttcaccc tatttatcca aaataccana aatggataag aaaggatcat atgttgagtg 120
 acagggtgag caagggaggg actaaaatgg gagcccca 158

<210> 32873
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32873

gcccnnnggg gttctagcat ganctgaatt tgaaccagcc cagataacnt ttcttgtgcc 60
 tactttttat cnnncctt ncacttggct cttttctgc acaaatttat agcttttcac 120
 tgggtgatgat catgaaaggc ttaacnctc tatcaatccc aataatccac ttccaagcaa 180
 gggtgaaatc tgagtattgg gtttaataatt tccatttttc attaattatg aatatgctta 240
 agactgaaaa aanaaatagg gttaggattc ctttctaata ttaaaaactta atcacaaatt 300
 gtttgaatga tattcaaacc taaattgtaa tctcaatgaa tntaaggatt aatctgattg 360
 aactaactct aatgacattg attgaactct tacatcttga tcattctctn tagaatngtg 420
 ataatttate tgcattgggc tagtgaacta aaaatgatga g 461

<210> 32874
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32874

agcttgtttc tacactaatg ctatactgga tactagtata gggtggaatc ttattaatat 60
 gtatataaca atgttatacc aaactctata tattctgttg tgttttgaat aggtgtgtat 120
 gagaatgatt ttttagacat gtattgtgat tctttagttg ttcttcattt ttctttcaca 180

taacagaccg ttccgaacga acataattat ttggaatttg tatctctcat atttgattcc 240
 atttgcctca agtactangg cctgtgnntt gctgaaacta acataattgt tttgtttgct 300
 gatatttttt tggaggccat tattgagaca taattaattg aagcatttta c 351

<210> 32875
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32875

agccannnnn naagggngt cggacngacc cgtactnctg cgacactata taaatactaa 60
 gctcgtcatc gtgagacatc agaggctagt antttaataa tgtgtgtann gaaaaatcac 120
 caaatggata gagaaaaatc tataatcata catcttaggc aaataanggc ttgctacccc 180
 caacaataat ggctttttga ttcactcttg acattgtgat tttgaaaata aaaacccaaa 240
 gttattaggc attttatcaa catacaactc ccactgatct gcaaaagaaa tatgagtaaa 300
 aatggaactg cgacaaaaac aataaagaag atgatttctc ttatcattcc agaaagaaaa 360
 tgangaacca ctgcaacaat tttaattcct atggacatat acactatgaa attacagtaa 420
 ttaagttata aatgcatga attataaaag atttcn 456

<210> 32876
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 32876

gtttggtgtt ggcacattcc catcacaatt attttctgtt ggattaagtg gcctcagaat 60
 aattaagaaa ggggagttga attaattatg aacgtgtctt gactaattaa aaaattatcc 120
 ttcttaatgt tactagattc aattaggctt tactactaaa ctatgagaaa gtaaagaaca 180
 gaaacgataa cttagacaaa agtaaagcgg agataaaaag tacacaacgg atagataaag 240
 agtgtaggga agaagaagac acacatcata tttatactgg ttcggcctca acccggtgcc 300
 acgtccaatc t 311

<210> 32877
 <211> 267

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32877

ctagctactg aaatcacaca tctaaagntt tttcttgnca tgaaaccaac atggcatgat 60
aatcataaca tcttgagacc atagttgacc taagtgaat ataaaaagct tcacacttaa 120
tgagtgacga ctccactttg tgcaatctat gctatcgagt agccactta tctaataaat 180
ttgttgtgca aaggatatgg ccagattgct tgaagaacta caacaactat atcagggagg 240
catttcaact tagaagtgga acaaaaa 267

<210> 32878
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32878

tgcttaatca atactatgac aaattaatga tggctatctc ttacaatcct actatggtaa 60
tatatgctgg gaactaggga atcctacttt tcaagtcttt tttaaatgta tttatatgag 120
aatttaacat taatatttta aaaaaaatt caagactcca taggaactac aagagaaaaa 180
aatttcccgat gagaggaatc aagaacaggg atggngagtg aggtagtatt ccccgccctg 240
ttgacatccc tacattgaac taaagtgata aaaaaagtaa gattataaat aagagtacat 300
ttataaagat actntatact ttgggtttct tatgttacac aactcataaa gtatacacat 360
atgttaaatg atg 373

<210> 32879
<211> 198
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32879

tgtatcgaag gacaatggat actattatgc gcagctgcag atcatgnnga aaggaaatng 60
ttggaccaac gttccaagta cagctcactt ttagaggatc actaacactc gacaacatga 120
tcgactaatc atgatgtatc gaactatgta ctactgttac actatccatg caactcagta 180

caagtcacga aactatgt

198

<210> 32880
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32880

aggggtacgt ttgcatgaga tacancgcga attcattnac tcgcnccccg aagcaccctc 60
 taggagtcga cctgcagagc ttgcaagcct cttanccatt caagaataaa ccagcgcatt 120
 ggtgatggac tgtgaaaggt ttgaaaacct taactccttg aaagcgcttg aatgcaatcn 180
 aaacactttc agcaaaaaaa gaaaatccat atctatgaaa cttaggggtcg ataantggaa 240
 tgagaatgag aaaacgggtt gagtaccgt atcgtgctgt ttcttcggaa agacaaccag 300
 tgtgcgaaga aagataangg agnnggtgga attggtgctt gtggatgcgc ctcggtggct 360
 ccggaacgat gaagctcttg aagccgaagt ggaggtggat gaacccttac gtttctttga 420
 tgattctacc atatgatngg agttttgcaa atggaatcgg tganataaac gaaaatgaaa 480
 aagaagatat tgcagtaccg agtcgattga tgagaaatga tn 522

<210> 32881
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32881

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 atttattttt ttaggcctta cctgggaata aacaacctat gctgatgtac cgaattgtgc 120
 accaaagtac cccaaaggca aagtaagccc atttgtctcc aaaggtgatc ctaggtggca 180
 atgggcctta tacaccttga taagcctttt aatgataacc caaacatatt ttggcaccca 240
 cttacaagat gggccttttt aacaactaac acttaaattg aataagtgtg catttatctc 300
 tcattggcat gatcactaca acttgacttc tctgaactgg ctgatcaata tatgacacac 360
 tgtgagagct ctgcttcttg ttacn 385

<210> 32882

<211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32882

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 gacatacttc cccnnnnggc caacacaccc cgagcggcgg ggggatatac gttcttcaac 120
 acggtccaat cnccggtcca acaaattacg catatgaaaa attggtcaat tggataccaa 180
 caacgtggtc aaaccgggcc tcaatttaca tattccgggtg cgcggatccc cctgtcttcc 240
 tcggctctct gataccctga aaagaaaccc aactaaatcc gttgttcaact attctccccg 300
 gccgggttatt ttcttgcttc cggctgtctc attaaacggg caaggcgata gcctcgtatt 360
 catgacaacg ttatgcctgt tagtggtcca tgagtatttg acatccttat catgttgcgt 420
 tttataaact gcattatgca 440

<210> 32883
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32883

aggggggagag gtgaagtaaa aaagggttca ccccttagg cacttctctt tctctctcga 60
 aatagctgag gaaaattagt tccgtgaaga aaatccaagc cgagggtgctt ccgtaacggt 120
 tccgtgagta attatgcgaa gattctcgac cgttcttcaa gattcatcgt ccgttcttcg 180
 ttttcttcag tcttcaacgg gtaagtacct caaaccaagc ttttcaattc attctatgta 240
 cccgtgggtgg tccacattnt gtttcatgta tttttattct tgttntcatt taacttntat 300
 acccactntt gacgtgctta agccatttat ntaagtcatt tctcgtttaa tct 353

<210> 32884
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32884

cgggcacacg attttgattn gctannntnn naccacacnc nnnnaacaaa gcggggggnnn 60

attactgata tgcattgtagt ataacctgca nggtctaaact n 401

<210> 32887
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32887

aggacgttaa agactgagac tacagttnc aatnctnccna cccacacagg tgaaggagaa 60
 cgcagaccgt tatgtcgaga nntnngctgg ccttgtagacc taggtttgat tacactctaa 120
 ccacttaaag gtctgcttaa tataggaatc caagggaaaa acaattaaat aaggtaacac 180
 cacactatga aacacattgc aacatataat taatatgtga agtgactctt cttccatcca 240
 taacaatgga ttgatagtgt aatctgactc tagtttctct gaattgaata ctaagtgttt 300
 gatcctatgt gatatatata tgagttagca tgatgctact cactgtttta cctgaattta 360
 tcaggggtgaa atacactaag acacatgagc tgagatatgg agtacactat ctg 413

<210> 32888
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32888

gcctcatatt aaatgatgca tgattgatta atgatagaaa tctataagga gacactttac 60
 ttaaggaacc gagattcgag tactttctact cacattcctt ataggttggg ggcattgtga 120
 ctgttcaatc ctgggagcct tcttttagaa tcgcataacc gagtaattga gaaattcaca 180
 aagagatgct ccacttaaag atcaaggatt gagtgatgca ctcatatcaa cttctcagca 240
 tgcttanaac ttgaggggag ggggggtggg atctgccctg caggccccta aaaaggagat 300
 cttgatctca acttgatcgc attggacctg gcccatacg agaccaccg 349

<210> 32889
 <211> 197
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 32889

ttttttaaatt atcccaattt tttgcttacc actcaacccc aaaatccgag agactcacca 60
tagcctcctt ctacatggaa gggccagctt tagcctgggt ccaatgggtt tcccgaacc 120
accaactcac aacctgngct agttntctcg aagccattga ggctcgcttt tctcacttcc 180
catatgaaga cccactg 197

<210> 32890

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32890

agcatttgtg aaattcagga catgccgaaa aaaaaccaa aaatattgat gcacaatcgt 60
aagtttcgtc acacaccgaa atcaatggaa catcgtgcat attaaggagg tccgtacatc 120
cgtagtcaaa agggatgatt atgtatcgca nggtcgtata ttcngaagaa acagtatcgt 180
acaaattcta gtttcgtact tacaaaaaag atcccaaaaa agcagagggg tgtcttataa 240
atgg 244

<210> 32891

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32891

aggnagtcgt gtcctgtaan ctacggcggt attanctcgg ccccgtcac ctttgagtcg 60
acttgaggca tgcattctct tantttgggt gggnaganna atgggctggg ggggtgggaat 120
atatttaatt ttatcctcct aaataagtggt ctcaataaaa tgtctaacct gatgtattta 180
ccaaatttta cctctccatg atgggtttctt gtcctatcaa cctctataac ctcgggctaa 240
gttggtttat ataatttgct tcttgagtaa tctcatcgggt tccttaaaaa tgcttacact 300
attgagtaac tccttgntgt tagtcttggg atctattcat ggtgttaatt cttgtacgag 360
tttaataact cttgtacttt aattaaacct tttatgttat gcagagatga tatanaatgt 420
ggcaatcatg ttttttttg tcctttgtgg 450

<210> 32892
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32892

cggggcaggt tctnatgtac nctgngacac nttttnactc angctcacta gactcggggtt 60
 ccccttaaaa gaagngcggt tagttttgtg gnnnnnnnnng ancnnnnngg ggggggggga 120
 ggcggaaaaa ngncgcaaac caccaagggn anaacgacg agaaaccac gctacgaccg 180
 gcattcccat acagcgaagn ancccaccca cccaacaatg gcagtactta gccataaaca 240
 acccttggtt ttacctacca cccaattatt cacgaaggcc attcctatgt gcaacacaaa 300
 gcttgcttag cgcacttcca atgatgaaca ccaccttttg tcacaaccca aagctcaacc 360
 aagaaagaat tttgctcgaa aagctcgtga attaccccaa atttcggtgt ctatgctact 420
 tgtccctatc tactgaaatg catggtggca taccgccg ggggctaccc c 471

<210> 32893
 <211> 217
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32893

ttttaagta actctccaaa aataataatt aattttggca aaaatataag gatatacaat 60
 gtgaattaac atgattatct catatttaag gtcagatttg aatcttnact atttgattan 120
 agatcaatat cactttcttt aattattnta tcatttaatc cctgatatat atgtactatn 180
 taacccttac tatataaaat ttacttaagt ctcat 217

<210> 32894
 <211> 108
 <212> DNA
 <213> Glycine max

<400> 32894

ccctatagat ctgtccctct ttggtttgta ctattcacta ggctgatta ggccccagct 60
 ttttaagttag taccctttca aatttgcttc tgcagctctt tttctact 108

<210> 32895
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32895

cggcatttaa gctaagacnn cnggatctac ttactacct accgangcgg nnnnggtaga 60
 gacccttttg tttgnttnan gaactctaca cgacggagtc tgttgcttgc acctgattaa 120
 cagggctaga taactatagt gctagacata gtgtgcacgc gtctagtttc tatgatgatg 180
 atcttataaa ggagtataaa tgacgctaac tacaacaaga gacatctgcg aacggagctt 240
 aatgtaaatt attccaaact cagcagacat cagtcgtggt attttttgtc cttcacatat 300
 aacacgtgaa taatgtcata tagagaacaa ccctagttgc atcaagtatc ttcgtgggag 360
 gacgcaacgc ttatacttat ttgtattcgc attaaaatgt tcatgttcac tgtcctatga 420
 tgcaactaaa tataccttcg tttcgaatcg tgatgctcaa tcttttg 467

<210> 32896
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32896

ataaagttaa agtttgatct tgcttttagtt caaganaacg attttaatat aagtttagatg 60
 catgagggtga ctaatgtaag aaattatattt aatcttggag agggtttgtgt taggctttcg 120
 acagccaacg taaaactnta tcgaatctct atgacatgga tcaattacgt aataatgtga 180
 atgctagggtc gttgccccga aaccaccgcy ctgtatggct cgagtacagt gtcaaa 236

<210> 32897
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32897

agggatgttt gggctgatta cagcggnatn attctagtagt ccgagcttcc ttagagggac 60
 ctgagggatt gcatagcttt ggttattccg ggaacccctt ttagtgggac accogtccac 120

cctaaggcac ccacccatag ggaacctccc caagttccaa ctccgaacac gactcgaccg 180
 ggcgggtatctt ccacacgaca ggaactttcc ctccgaggcc tttgccggat tcaccccgct 240
 ccaatgacgt acgaagatct tctaccattc ctcatcgcca atcatttgge cgtggtaact 300
 tcccgaaggg tntcgaacc ccctttcccg aagtggatg accctaatgc aacttgcaag 360
 taccatgggg gtgatccggn gcattccgtc gaaaatgctg gggcttanta caangatcac 420
 atttaatgga tgctngatgc tgactttcac aagatcggtc aatgtaggac can 473

<210> 32898
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32898

cgggtgttcc atgtctcact tattctcgct tcttaaagt gctggnaagc catatggnt 60
 ttttttcttg tgccagccta ccttattccg aaggctcggtt tgatgttatt ctaaagcctt 120
 tgatggatga tttggagaag ttatggagtc gtgttttgac acatgatgtg ttcagggagc 180
 caaatttgat gagggacttt aatggactcc cttactattg catgggtgtct ggggtgtggaa 240
 ctcatgataa atttttttgt ccgctttgat ggagcataag aagttgttac attacaatat 300
 gagagggaaa agtgtcattt gactcgcatt gtaggttctt accagcattc attcttttagg 360
 actaacaaaa accttagaaa ggggagaaga tatgatagct ccacctaggt gacacctatc 420
 agtgtgcatg agtaggaatt gcaaaagtc 449

<210> 32899
 <211> 200
 <212> DNA
 <213> Glycine max
 <400> 32899

gctaaaatta gggggtgagg tccttttttt aacatcaa at catgtggagt ggtggaattt 60
 gtgtggacca aaaaaagt attgaatgta ctttctcgaa actgttgata agctcaaaat 120
 attgaatttg tgtgaacata taattgcttt ctttgtgttt ctgctatgat ctctgctttg 180
 gtatgtaaat ccctaacatc 200

<210> 32900
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32900

aggctgcttg ctgtatcagg attatataac aggggacatg gtatccgtaa tataacattt 60
 tccgtngaca gcctaccctg ggggtgccta atgcatcttt tttttttacc accacaaacc 120
 agtctgggtg gaatctggtt gcaccaggaa aacagacata aaatgggaga acgagaaaaa 180
 aaggaaacca caaaatgcga acctacacct ctacatatat gcctgcatat ttgatcaatg 240
 tacactacac gttttcctat tatttatgtc tacctgctca ctggattaat cggaatgtac 300
 tacactacta ctgtgacgca cgcatagatac ggattttgtgt 340

<210> 32901
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 32901

agcatatattt agaaaacctt cctggagAAC gctctgggag aaaccttcct ggaaaaccta 60
 aacctaacct ccacacaccc cttatattag ttaagctcac ccccatacca aaatacatga 120
 aaatataaaa aaaagtcctt attacaatga ctactcaaaa tgccctgaaa tacaaggcta 180
 aaaccttata ctactagaat ggccaaaata caaggcccaa aagaagtaaa aaccaattct 240
 aacatttaca aagaagaatg gatccaacct tgacccatgg gctcaaaaat ctaccctaag 300
 gttcatgaga accctatggc cttcttttagt agctctagcc caagcctctt ggagtcttct 360
 atccaatacc cttggg 376

<210> 32902
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32902

agggtcagta agctgatatc gaacttanta attnagctaa cactccgaa gggggnntta 60

tctagggaac cagccatttc gganaacctg gccaggcggg ggggcttata aacttgacac 120
 ttcatttggg cagggtactt accccacaca caaatgacct cctccgaccg gggataatct 180
 cctcgaacct ataaacttac ttaccgcga gaaggctcaa gccttggggg cttatttatt 240
 ggttattggt caacaagtac atgtgtattg atcctgaact cctttcacac ttaaccacac 300
 aatgacaaaag cgggtncctt tgaaaactat tcccaaatgg gttttgtca taacctcgga 360
 tggagttaat attgattaac caccaggatt tccccccacg aaaaagatat ttatgggagt 420
 atttgagaag aaaccct 437

<210> 32903
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32903

atttaggatt ccattttcta gtaccgtggc caaaatgaac tcctgcttcc atcatctctt 60
 ccaagattat gttccaatat ctttntgtca tttatattta tccccacact tttctttcat 120
 ttcanaatcg anattctata aattttttga aatgaaagaa agagaccccg tatactgaaa 180
 tagaaataag tgttccaaag gaaccttctc ttctaccgaa gattggcctt tgataaatga 240
 tcnnggccat ttttctattt aataattaat atgaatattc tctttattat cttt 294

<210> 32904
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32904

cggggacagg ttccagtagc ctacgtgaca cttacttant caagcatgac cggngngag 60
 angcttagag gaaacacttc ctenttgnnn nccncacgc cggngaagcg ggccagtatt 120
 tatcttcta acccaaaagc catgtggtca nggtactaat cgctgcctt ggcagaatct 180
 attgtgggac attcaaggtg acaccaggt tctccgcca tgtgattcta gtgtgcattc 240
 tctccctgtt caacagtttg cagttgcatg tctccttca aaattttgag agtatcctga 300
 ctggtctata ctggggcgtc tctcactgg agctcactgt cacctctacg tctgaatgaa 360

ttgggaagga tttacaatgt tgccgggtgc ggcacattgc ccgggggagg ctaaggggca 420
 agcacagcaa c 431

<210> 32905
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32905

agggtttgan cttgttaccg cnntcaatct agcngtcact ctgctgcgcc tgttttaaata 60
 acttttttatt tttggaccag ncaccttagg ccccgatgg gtgaattcag ccttttctga 120
 aatcattttt ggtgggggttg gtggccaagg tgggtcccctt tgatgccgaa actgcttttg 180
 gtgataggga gccttttgggt tactgggtgt gggtaaggag aggttgtcat tgctgataat 240
 gacttggttg gtggcggaaa ctgctgttta gaatggaatc acacatgggt tcttcctctt 300
 ctcacctct tcatttgccc cagtntttt gcatttatca aaacatgatg atccgatttg 360
 ctcttttaaa ccacttcga tcattttgca ggaataccca atcacaagc ttgagg 416

<210> 32906
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32906

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 aatgtacatt gatgtctgta tatatggacg tcgctnttgc aatnttgctt aaaagggagc 120
 gtccactgggt taaacctacc tttccaatgg ttttccttcc cagaattggc cttgaggaag 180
 cttgcctcaa agatgtgcag gagagaccaa ggcgggccgaa ggaactagtt ccgccccgga 240
 gtacgacagt caccgcttta tgagcgttgt acaccagcag cgcttcgaag ccatcaaggg 300
 atggtcgttt ctccgggagc gacgcgtnc a gctcanggac gacgagtata ctgatttcca 360
 tgaggagata tggcgccggc ggtgggcacc actggttact cccatggcca agtttgatcc 420
 agaaatagtc cttgagttnt atgccaatgc gttggcaaca gaggagggcg tgcgtgacat 480
 gagatcctgn gttatgggtc n 501

<210> 32907
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32907

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 gagtacgtga gctcagttgg aggtgggcaa caggggatgg tgggttatat gtgatttgtg 120
 gatgtggaga atcgttttgc accatcgccc gaccgccacc tagtaccaca tgtgatgggt 180
 accccataat ccgacaagct tgaaatgang aagtgtagaa cgggtgagact tcttgctttt 240
 attcgttgac cacagagtgg tgcctggaga tatgtcgcan gggtcaggag accttgngga 300
 cgtcatgtgg ngtgctattg cccataacca agctttgaca atcccgaccc aaccggggca 360
 tagtcagtca gtgagaacct gtgttgta 388

<210> 32908
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32908

aaaaccctta ctggcattag cctaaaaacc cttagccggc ttaacctaaa aattagcact 60
 ggaccgaggt ggtccaaaa aacccttagc taccatcgac taaaaatagc ctggctgatg 120
 tcngcaaaaa aaccttagtc gacgtcaacc gaaaatctgt agccgacatt ggctaaaata 180
 tcctagccaa ggttgaccga aaaatcacta gctaatttg actaanaagt agctctaact 240
 aatgt 245

<210> 32909
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32909

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 ccttcccaat ggtngtacct tcattttgcc ttcacaacac cgacgacgac gaccacttta 120

aaggtgacga acccacggcc caccctacga tgtcaatgct gatagaagga gagtgacact 180
 taaaaatgga aaagggggccc aaagggttgat cgtgttcaag tgagtgggaat gagacaaggc 240
 ttgtagaagt aaaagggcac tgattggatc ctcacgtacg aaaaaaatng caagttgtct 300
 gataaggatg agtgacattg ttcttcngtc tgaccaagga atttaatttc aaatgtaaat 360
 acaataaaaat ttgatttgat acttaacata aatagatatc tataatagata gataatttga 420
 aacaaaatca attn 434

<210> 32910
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32910

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 tataaccttc attattttta ggattttttt tgggtaaaat gagaaaaaga taaaaaccaa 120
 aactttctta atacaactat gtgatgcgaa aaaacatcta tagcaaagga gagaggaata 180
 tcacactcct caatgcacac gaacataatt ttaaaaaang aatcagtcag atattagttg 240
 aagtgcatga tccaatttct atagcttgat aatntcagtc ttcaaaaaaa gcccgaaacg 300
 aatcacatca canatataat ttcactccaa agctgataat ttatttntat cattatTTTT 360
 tgggttagcat gctacatatt n 381

<210> 32911
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32911

cggggcgcggt agccctcgan nncgtgacct taatcactca gcttgacacg ttggaagaag 60
 tttgatgggtt aaaaatatatt cttctcaacc ttattcctta ggccggattc tttccttaaa 120
 ttccctcgg aaggttgac tttacttaac cacaggtgct gtccaaacct attgcaagaa 180
 gggaatcggc acttttaaata cttcttgga ggccgtttat ttcaaaactg ctccggaccgt 240
 cgacaatgga atggtggata accaaaaaat tagtaaacc gtctaattgtt gcttgtaacg 300

<400> 32914

tcaactttga tcatttgaaa attaaatctt agatnncaga gctctnttag agcacaaaaa 60
ttcgtgctct tctcttcctc tcccttcatt catctctttc ttcctccaag ctcttatcca 120
tggcctccta tgggtggtgag cttcttctag actcatcttc tctcgaagt ggcattctct 180
ctctcttcat tctcgattct gctgccattc atcttgcaag aagcaaagga atccattgat 240
gaagaagatc ctatgcctac aagctccaat ggagcttaca tcatggggga caaaggata 300
gtgcttttac aactctctcc tccactactt gtatgaatat g 341

<210> 32915

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32915

acgggggagg atgancctt gtannncnc nnnaatnaat tttactcaag ctaccangcc 60
atgggnttng aagttaattg ataccatcct tttctttgga ttttaaggaat atactatgga 120
tcagtgtata tatcggaagg tcagtgggag taagggtatt tttctaatac tgtatgtnga 180
ggatatatna ctttgcaact aatgatcttg gtcttcttca tgagactaag aagttttttc 240
tagtaacttt gaaatgaaga tactgggtgag gcagctatgt gatagggata gaaatattct 300
gaaatagatc acaaggattg tangcttgtc tcanaaagca tatatcaata aagtactana 360
gagaattagg atggaaaagt gctgaacatc acccgtccg agttcagaaa aggagacann 420
nattagcctc gcacaatgtc ctacaaatga tctgggaatg aaaccaatgg aaacaatttg 480
tatgcatcat n 491

<210> 32916

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32916

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cctaaattcc attaaccaaa ccactttgtg tgaatgtagg atgtgatttg cttctctaaa 120

atTTTTtattt ggtatttttg ccaatggtaa gtaataattt gggaagtctc tcacctcatt 180
 tccttcttta atcacccaac ccacctatt acttccttgg gttctcttan ttattaacca 240
 aaaaatcatt attgatattt aacatgtcat gattgttatg ctatacacat aacatatgag 300
 ctcttttgatt ttttaattaat gactgagant aactaattac cccttagagt gaatngctca 360
 ctacaaagga gctagatctt gtaggaattg aagcttaggt ctatacacct gtnnttaatt 420
 actntctgta ttaacan 437

<210> 32917
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 32917
 ctccaataaa cctcctgacc ttacagcaaa atcaacctca gcagtagaac aattatgacc 60
 tctccagcaa cagatacaat cccggatgga ggaatcacc taatcccaga tggcttagcc 120
 ctcaacagca acaacaacag cctgctcctt ccctccaaaa tgctgctggc cccagtagac 180
 catacattcc tcttctaatt caacaacaac aacaacaacg acagcattta ctgagacaac 240
 aatccactat tgaggccctt cctcaacctt cattggaaga atattgacgc aaatgacaat 300
 acagaacatg ccagttcagc atgagactat agccctc 337

<210> 32918
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32918

aggggtggtc ganccttcag tacnncnnnn tncattnta agccttgagc acacacaacg 60
 agnanaacct gtgaagccga cggttcggtg actcccgnc cataacaaaa cgcggaattg 120
 aatgtgaact ctacccattc aaacgacata acttttactg gatgtctaata gagccccaat 180
 attcgaacgc tcaaattgaa ggtgaacttc tagcaaatca aacgcccata ttcttttact 240
 ccgatgtctg attgaggccc gtcatatatc gagacacctc gaaaattgaa tgttgaacat 300
 ctgaatgaat tcaaacgaca ataacctttt actcagatgt ctgatatagt ctcgtaatat 360
 atcgagatgc tccaaattga atgttgaagc tctgagctaa tttaaacgac aacaactttt 420

tacacggatg tctgattgag tcctgtcata tatcgagatg ctccgaattg aatggt 476

<210> 32919
 <211> 277
 <212> DNA
 <213> Glycine max
 <400> 32919

tgcttgcaact cgctattcct gactttgaca attaactctg aatattttact atcaattcta 60
 agatgttaca gaataaaata aagatgttcg gcgagattta tattaaaata tctaagaaat 120
 gtattgtatc ttctaaaatg tgataaatat tcaaagtcag gaacctcgta ttttggttca 180
 tgttctgtac caaacaatt tatattttgt tatgacctaa gttgatattt aataaactct 240
 tctgcacata tagattctat tattattaaa gttcata 277

<210> 32920
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32920

cgaagttgac ttaaactnnt ttatcttacg nagaaccngg ggnngagtgg ggaggttatt 60
 tttgggnagg agcccggggc ggggtgtagga aggaaaacaa aacccccaga nccccccagg 120
 gaagaaatag ggtggctgct attcatactt atgatccact gctatattcc ttaattccac 180
 gatgttccaa gggaaatgct tgattgggccc aagcgtttcc acataatttt gtggatttgt 240
 tccgggcttt tgtaccttca ttaagattct cgagtgatgt atatccttag agatctaata 300
 gcagttattg ttactagac gacactttga ttccaaaatt ttagattatg gagtgcttaa 360
 actttcggag gagagaatat tgaaggaaac accaccagaa tagttggtac atattaattg 420
 tn 422

<210> 32921
 <211> 280
 <212> DNA
 <213> Glycine max
 <400> 32921

<210> 32924
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32924

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 gagatgaccc attttttann nnaccgcccg aaaagggggg actcaacaaa ctcccacaaa 120
 aattaatggc gttagaatgg cctcaaaaat agaacattca atttcgagcg tctccattat 180
 tacgggactc attacacatc cgagtaacaa agctattgtc ttttgaatta gcttagagct 240
 ttcaacaatc aatttccagc gtctcgttat ataacgggac tcaatcagac atccgagtaa 300
 aaagtcattg gcgactgaat aggctcagag cttccacatt caatttctag cgtgacaata 360
 tgtgacgggc ctcaatcaga catccgagta aaaagctatt gacgtagaa ttgctcagag 420
 cttacacatc aaatgtcgac gactcgatta tgacaagaag 460

<210> 32925
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32925

aggaggcgaa tctgtaagca caanntcacc accagcgac ccangaggng antgggacgc 60
 gaaaattgct cgaacgnnga cccgaccaac gggggggagg agagcaagcc cccccgacg 120
 gggaaaacac accagacaga agacagacgc cgcgacgag aagacgaccc agccagaaaa 180
 cgccacaaca accgaaagga aaaaaagaac ccaannnccc caaaggcgag aaccgagcgg 240
 acccaccccc cggaccacgg aaagccaccc gggccaggag ccngaccgga acaaagcacc 300
 cacagagaaa caaacgccgg aaagcggaca acccagagga aaccaacaa aaacgccgac 360
 ccccgacacc ccagacgccg ccccgagac aaacgacgaa aagcc 405

<210> 32926
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 32926

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acttctatat tgggtcttgcc taggtgatac atcaattgaa aattatagtc tttcataaac 120
tccatgtaac atatttgtct tatgtacaaa caaatacttc caactcatga gatcagtga 180
cacatcaacc tttgcttcag aaggataatg tcttcatatt ttcaaaacaa atatcatcac 240
aacaattcta gatcatgtgt aggttagtgt ctctcacaca tcttcaacta tcaagatgca 300
tatgctataa ccttcctatg ttacacacca atatgcaact canaccttga taagagacat 360
cat 363

<210> 32927
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32927

aggttacgta ccttagacnc ggaacattac tcanctcaat ccgangggga ngggaaactc 60
tgTTTTcttt tcnnaangt cctggagatt gtggtgggtc agaaccctcg gactaagcgg 120
ggctattgcc aaccagcttg ccaatccacc acccggttaa cgacggagaa cctgaagtcc 180
taacagcgac tctgcaccac aataaagaaa cagacccaac acgtgctgtg tgggtggcact 240
ggaataggaa aagagatggg ctcggtatga taccaagtgg aatcatacag ctaaagaga 300
agagccaatg cttgaattat acccagggtg acatacgtg aacaatcaga ccacgggg 358

<210> 32928
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32928

ggaatannc gggtcatct tatgcgnaan tatatacccc tcacaggcgg ggcacgaaga 60
caacttcctc aanngaaacn cnggccgggg agggaagaga ncannggacc caccncncca 120
ccaacgnnga gcgcgaacca caacgagaac aagagagaga cnaccgcca cggaaaaaaa 180
ccancaagan naggaaggaa gaggggccac caacagacgg gaaagaaggc cacaacgaag 240

accaaggcaa aaacaaccgg aagaaaaagc accccacaag ngacagacaa agaagaaacc 300
 gccacagca agagacaaag caccacaaac ccacaacaga cgcacaaccg gccaaaagga 360
 aaccacc 367

<210> 32929
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 32929

tatcattttt tcttatacaa aaatgaagct gggaggccac ttgttaaaca agtggccaca 60
 aatatcttaa gaaggggggt tgaattaaca tattgcaaac tttttcccca attaaaattt 120
 tattttaatt ctaatgcaag ttacaagttc ccttaaaaat gaactcttaa ataagtattc 180
 aaataaaaca atctgaatat aaatgcacaa caataataaa taaaagattt taagggaaga 240
 gaaagtgaag actcagattt atactgggtc ggccacacca ttgtgcctat gtctagttcc 300
 taagcaaccg gcttgagagt ttcactatct tgtaaaatcc ctatacaagt tttgaacaca 360
 caaggacaat c 371

<210> 32930
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32930

ctaataaggg aaatctattt ttttttaaaa tatataacct tttttgttcg aataaaacaa 60
 gaaaatatcc attttcaaca aaaatgaatt tccatagctt cagcmttgta gtaaaactaga 120
 gcagtgaagg cgcactctgc angacagcag aaacaaaaca tgaccccatc tttttgaaat 180
 gcaaaaagaa naaaaaatgc aacagttttt ggcatatgta acctttgagc tntgaccgga 240
 gaaatactta at 252

<210> 32931
 <211> 367
 <212> DNA
 <213> Glycine max

ctgcttcaaa tgataagcat ttgcttcaag aataattcaa gagtgcttca acaagcacag 120
ccatgtttta agattcacta nagaccaagc cttgccttaa aacaaagtgc tttcaagaca 180
tgcaaggctc tggtaatcga ttaccaggaa gtgtaatcga ttaccagaag acagggttga 240
gaaatagctg ttgaaaaatg ttttgaattt gaattntcaa catgtaatat attaccatat 300
gtctgtaatc gattaccagc aacgaaactt tggaaattca nnattcaaag tcataaccct 360
tcaaattata actgtgtaat cgactacaca aaca 394

<210> 32934
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32934

cctccgatta acaggacctt catagatttg atcngatgcc aaggtaggca caacaacagg 60
ggcaagcaca gtagcatgcg caggaacacc agtagcagcc agacgcaaat gcatttgtgc 120
cacctctacg acaaccacca tctctgctca catgcggatg atagagctcc agatgcacgc 180
atatatgcaa catgtggccg accagcaggc ggccaaacat aaggtttagg tgcaactgaa 240
tgaaagctnt tacctgtaca ccttgcata gtagcgctag gaccccaatc cttacccatg 300
gcctactccc g 311

<210> 32935
<211> 283
<212> DNA
<213> Glycine max

<400> 32935

atctaaaaac ctgcgcaaag gacggtcatt ctcttcttg gaaggtaggca caggatatgg 60
tacttcaca acttcattca caactttttc acttctactc ttctttgcat tctcattttt 120
ttcatctttt tcaatcttct attttctttt tcttgggcat tcaatcattt tttcttgacc 180
attattagat tctctctttc ctgagttctc tcaccttgct catcattttt cttgttatca 240
atacctctct tttcaatgcg gtaagccaca tgactaagaa aaa 283

<210> 32936

<211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32936

```

aaaacatcgg ttgngactga ncgacgtgac ngttanaata tttttncttg ntgntnctac   60
taggggagggc gtttccgata ttgaagatat tttcttttaa aaanggatgc cngganacct   120
tggagagcca gggaaaagaa gtcttggtga gggaccttaa ggacacaaga ggctagaaat   180
caaaactctct agggttccac ttggtatgga tttgaacctt acttcagaat tgtcaaaggg   240
cttcaggagg agggcaaaaa aaaaagggtct atagaacttt atgggtattg gnttgtattn   300
tataggtagc aaatgattaa ctaccattct tacattatta aattgttttc actatagaaa   360
tcaattgcta agtgcaaccg tggagagcaa ttctattgac ccanatgttg ttgcagtgct   420
acactcattt tgtcagctga aacactgatc ccattctcat gtgatagaca tacan       475

```

<210> 32937
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 32937

```

aaacctccgg ggcagcaaac ccaacatgag cacaataata tgacctttca agcaatagat   60
acaatccagg ttggaggaat catccaaata tgagatggac aagtcctcca caacaacaac   120
agcctgcccc tctatttcag aatgctgctg gtccaagcaa gtcatatgtt cctcctccaa   180
tgcagcaaca gcagcaacag tcacaacaaa gacaacaagc aactgaggct cctcctcaac   240
cttccataga agaattagta aggcatatga ccattcagaa tatgcaattt ca           292

```

<210> 32938
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32938

```

aggttacgta tgcttgtagc tggaaataaa ataccgctg ccganagtga catgtaagaa   60
tccacgggtcc cttcttttta tttcccttat angagagtcg agtagagttc actggccgctc  120

```

acttaacaac gtcgtgactg ggaaaaccct ggcggtaccc aacctaattc gcctgcaaga 180
cattccccctt ttaccaagct gcctaataac caaagggccc ccaccagatc gcctttccca 240
caagtgccac agcctgatgg cgaaatgcgc ctgatgccga ttttctgctt acgcatctgt 300
gcggtatttc acaccgcata tggcgactc tcaagacaat ctgctctgat gccgcatagt 360
taagccaagc cccgacaccc gccaacaccc gctgacgcga acccntagag gacgcttgaa 420
tatatgtcat gcttggacac atagagggtt gcggaaagat acctgtgac 469

<210> 32939
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32939

agctgttgag attaaaanng cctaaancat ttccggagat gcatgtgaat taggaagcat 60
caacaagaat caagccaagg ctattgtgca aggaatcaat ggggcaaac acaccaaag 120
attatgatga tggatggctc aaattctcac aaacgttaac ttatcacttt caaattgagc 180
tttcaaaact ctcatgacat gtagaagaaa aacaaagatt tcaaatacaca aaatgtcaag 240
agacttttat tatcaaaaca attaccatt tcttgaacat atcctataat ttaaagaaaa 300
atatgcaaag ttgtacatgc aaacaaaaat gacctcaat attaaac 347

<210> 32940
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32940

acgagtatac tagatcgcca tataaaaacg cggccaaaac aggcgggaag aaaaccgttt 60
tctctaggcc ngaacccagg gcgggggaag tcanaaaaac cccactccga ccagacaggc 120
agtacgggag acgcggccat actacaaggc gcaaaacgag acgcatcggg caatggggca 180
aaacaaaaag ctcacccgtg gagatgagcg agtactgaga cagggcaccg cataactatc 240
cccgcgtgta agcgacaaca aaattcatgc aacagtccca tagaaaaatt ctcagcacag 300
tgagacgtga caatcctgtc aaacaggcca aacgacgact tacaactctc gtgacgacac 360

attaaag

367

<210> 32941
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32941

agggttgctc ngcatgatan ctagnngcat atactagctc ggcacccgag atcctataga 60
gtgcacctga aggcgtgcaa gtcctataa aggctcccc aaaacgctnc cgcgaggctc 120
ctgtaggaag ctttctcca aggctacttt gagaagctaa tatctaact accctggccc 180
ctctattacc taattaaatc tccttgaaag tagtgccaga taatataaca cgataactta 240
ttccaacttc anatataatt actaacatat atgtatatat atatatatca ggggtgttaca 300
ttgaccaaac tcgctagaga tgtcatcacc caccacaaat aacaccgaag tcgtgatcat 360
aagcatggag actcanatag agcatggctc ttctcactgc atcttttagga tacctatgct 420
agtcgaagac acatcgagag cgaagaggac gagtatcata aactagaccg tgataaact 480
tag 483

<210> 32942
<211> 107
<212> DNA
<213> Glycine max

<400> 32942

actgtgaaaa ggttttgatt gtagtataca tgtatcatta ccattgttgt atcgatccac 60
acagacattg aatcaatcat atctaccctc aatatactgt gtatcat 107

<210> 32943
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32943

cgttnacacc acaggaana aggggtgaatg accgtagac nacnatatat atnanccna 60
caacangga ggggaagaa aagcgggana ctttctttat taaggagnnn gggccnccgg 120

aggaagcggtt cctaactaag aaatatttct tctcactaac tcatgaggat gcatgatgca 180
ccanagatga tatggactaa gaagcaatat tcaatataac aatcaatata aatgtcactc 240
aagggagtta ggcattgtaa aaaaaaaca tctcagcttt tctcaagctt cagattagtc 300
tcatgttggt atgttggtccc ctatttcaca atttttccca gacaaaatct ctaataagga 360
acaatattga tgcattggcca caaactaaca taatgcaaca aagtatatatt gatagacaca 420
cgtgacatta aatcttatta tagctattaa agattattaa c 461

<210> 32944
<211> 331
<212> DNA
<213> Glycine max

<400> 32944

aagaatgcag tttttggagc tcaaaaaca ggaaccatgg aatttgatat aaggagagag 60
aacacagata ttcagagaat agatgcaatg gtactgctgt gaacagttac actgaactta 120
agcaaatttc gatgcactcg ctgagcgagt tatgcttgct gagcgagaaa gagatgtttg 180
gtttctctcg atgatctcgc tttagcggccc aatgggctca gcccaacttg aaattaaaaa 240
ataatttggg ttttagagttg ggcttagcgc aaagcagtcg actcagcgag ttctgcagat 300
aagaaatcct gcaactctcg ctaagccgga c 331

<210> 32945
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32945

gctcggcccc gggatctcta agtcacctga ggctgcattt tttgagatac tnggtgnact 60
tttactgcca tatgcaaaag tggtgtaccc caacataatt gctttagaag taatataata 120
actaaaacca taaccatgtc tagagacata aaactaatga tacagaaact agaaatttca 180
ccatccaatt atctacaaat tgtgatattt ttggcaacaa aatttttata aataaagcaa 240
acgttgtaga ttgcaacca gccaaaaaaa atgatnttag gacttgactt tatcgtacat 300
gataatagat caatcactat tacaaaagat tacttattaa tntctacana ctcacaaatg 360
tcaccataa tatacgaact cacatcagag ttacgaacaa agcgtgggtga tgccccact 420

aataactagt

429

<210> 32946
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32946

tgccctaata tacattgatg tttgtatnta tgggatgagt ttgtatgcca ttttntgttt 60
aagaataggg tccactggta aactactttc caatgttgcc ttccagaaat ggcccaggga 120
cctggctaaa aggtccagaa gacaaggcac cgaagggaact agttccgctc ccgagtatga 180
tagtcaccgc tttaggagtg ctgtacacca gcagcgcttc gaggccatca agggatggtc 240
gtttctccgg gagcgacgcg tccagctcat ggacgacgag tatactgatt tccaggagga 300
aatagggcgc cggcgggtggg caccactggt tactcctatg gccaaagtntg atccagaaat 360
agtccttgag t 371

<210> 32947
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32947

agctgcngcn ataatancaa aattgcctaa atcatttcca gatatgcatg tgaattanga 60
agcatcaaca agaatacagc caaggctatt gtgcaaggaa tcaatggggc aaaacacacc 120
aaaagattat gatgatggat ggctcaaatt ctcacaaagg taaacttatt actttcaaat 180
tgagctttca aaactctcat gacatgtaga ggaaaaacaa ggatttcaaa tcacaaaatg 240
tcaagagaac tttattttca gaacaattac ccatttcttg aacatatcct ataatttaaa 300
gaanaatatg 310

<210> 32948
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 32948

gacactataa aactcagctt tagccaatgg actaccttga ataattcttt gtatgccttt 60
gagccttggt cctttcctgg tttgaaccta cttaaaccct aagtgaaaaa ccttatatac 120
catatcctta aggaattttg agctttggaa tggttttggg aataagtgtg ggggggtttt 180
gtttcattgg acaacttggt tttttggcta tgcttcatga tgtattttgg tccatacttg 240
atgtacattg tatattggtt aaatgttgga catgctgaat gaaatgttgt ttctcaaaga 300
ctaaagatta aaaaaaaaaa aattcgaaaa aaaaaaatcg aaaaaagaaa aagaaaagca 360
ataagttgag tgaatagaac ttanatggca caagaatgat gaaactcttg gttctactct 420
tcat 424

<210> 32949

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32949

ccttggaacc cggatatgga atctgcacca ataatgccac taagggtccaa gttttcaggc 60
cttatagtta tacatcttat accgttcaac ttgaccatgc acggatgtga tggtgaccca 120
atccaggtga tgctaagcac cgtttgggaa ttngnatcaa cagccctgta ctgtactgaa 180
cattctacat aaagaanaga aggacaacaa agaaaaccag cctcctcaga aatacagcan 240
aatctcgtct catgcagtcc tcctctgttg ttaaagactt gctagtcctg catgcttctt 300
catttgtgca ttggataaag acatgtatg 329

<210> 32950

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32950

aaaaattata ataaaatata ttgataacat tctcaataaa aaacacttac tggattgtat 60
tttcattntg aaatggagaa ggtagtacac taaaaantta aaaaatacta ataatatatt 120
attttacatc actcttttat atgttggtta taaatcagta tcaccctagt tagtaaaatt 180

agcatgaatt cttattaaat gatatacagc ggtaaaaaga gtgtaatttt gatatatcgt 240
tagcataaat tacattt 257

<210> 32951
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32951

ggtttttaaaa taaaaggggt tcctcttttt ctataatttt attataaaact accccacatg 60
tctccatttg agtggagcan aagggccac tntccctttt tactgtgacc cacactcagc 120
cacanaagtg agaanaatct gacctttgaa acgctaaaat cctgcctcng tttgcgtgtc 180
gtttctctgg ttccagtttc tcgcgtntct ctgcgtccgt cg 222

<210> 32952
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32952

ttctctccat gttactgagt ccttcataaa aatattggag aagaagctgc tcagaanatt 60
tggtggtgag ggcaatnggc gcttagtttt ttanatctct cccagtattc atatanngct 120
ctctcattga gttgcctaata gcctgaaata tcctttctga tggtcgtgg 169

<210> 32953
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32953

gctattggtg gatcggcaaa agtcaggtaa tggctcgcat ggaggtggtt gataattccc 60
ccaacctttg gcatcaagat gtcagggtgct acgggggcct aattaagaaa tttcatcacc 120
ggcttcctat gaggctcann atgcaggagc agccccaata acgagatcct ggctagcatt 180
ttatcaatgg ttcatcact ttgaantcac tctgcttaat gattcttagg aatttggtgc 240
gttctaagca gatggttcct tcctgccaga attatnctct ttcttgagg cttttcatag 300

gagtcttgtc attacaaggc cttttctccc ttgtatcaca tactcttctt ttcctttgct 360
tta 363

<210> 32954
<211> 209
<212> DNA
<213> Glycine max

<400> 32954
ctaattacta gcaccatata cttgcagcat ttccatttca ttgacacgag tgcagggctt 60
cagaccttca aaccaagtct tttatgtacg tgggactgac aatcctcttt atagatatac 120
tcactaattg cacctctgtg tatgggtggc gacccccgat gtgatactgt acaatgtctt 180
gtgactgcta tgtatcccct gtattcatg 209

<210> 32955
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32955

atctttttgt tcggatggng gacctgnggt tggccaacc gcgtcaaaag tctaggcacc 60
ttgaaatggg cttgatggat gcaaaggat gttgtgattc agcttttgct ttgtaaaata 120
atgtgatacg gtttatgctc tgttttgctg tttgggtggt tgatccccta tatgagttgt 180
aatttatggg atctgggttag tcatttcaga gactgggttt taggttctct ttctgggatt 240
ttacgttggc tnttcttggt ctataatgan tattgcgatt tgattgttaa atacaattgt 300
ttttctttct tggccatat gacatgttga atga 334

<210> 32956
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32956

tgctatcaat gttaatccca aactcctttg catatgggtat ttactcataa tcagtttcgt 60
gaattgtctg ctagtatatt ggaaaagcta tagattaatt aaactaaacc aaacctgcaa 120

tacacattat anttttgttt gtaaagagaa taaatattga aatggacatg tntaaacaat 180
 tgcaatttat catacaacca tggctattca gtttccaatt gattctgaca aaaataagaa 240
 tatatagaag aaaataaaaag gtttgatgag aattctaaat tacccaaata cggaaccag 300
 tgactaggag taggatcaaa taactagtgg ataccctcta acaaatgata gcagacatgc 360
 ttaac 365

<210> 32957
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32957

tccaaaggta cctaaagata aaaaagccaa aaggagactt gatggttcaa gacggtggga 60
 tcaacatcgt tctgttgac agtagtttca cttggtcagg caattttcta ctccagcagt 120
 tattcataga taactcaact agtttcccta cccatggaat gtangagagg gggatcatga 180
 acctaaagcc acaagataag ggacaatgga agatatagca tatgttggac aaaagggaag 240
 caaacagtta aaagtgtctg atcaaacaag tgccttaaata aatatcaact taatagt 297

<210> 32958
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32958

aaaaacttta ctagatcanc ttaatctaac tgactactan ttatttctat ggaacatgta 60
 gttttttccc ccaagattgg aggaaccgaa ggatcataca ccatatgtaa aaaaatgata 120
 ggtgaagata ctaagtgatg cgtgcatact acgaactgct gctggttctg catcactcct 180
 ctgttacacc cattgaaaaa atgtaagtta acaatataat catttagata tangggaaat 240
 ttgcaaactct ctccatgac cataattcct gacttttgat caatttataa aagactnttg 300
 aataagtaat tacttattaa aaaatgggta tggctttgag gcctatnttc ttgggttattc 360
 attgcacagc anagcatata gagtgtttaa taggagaact ttatgtgtgg aagaatttgc 420
 catgtt 426

<210> 32959
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32959

gaaattctga tactggggac agatgtcgta cgggatgtca cgacttcacg cttcagaaca 60
 tgcagattat atgtgtctgt atgaacagat taaacaagta aataacacaa gagaattggt 120
 aaccagttc ggtgcaacct cacctacatc tnggggctac caagccacgg aggaaatcca 180
 ctaaaatagt gttagttcaa agtctaacag ccaactgttta caaccttctc acctaaccac 240
 taccctgtgca atctctacct aagagccact cttagatatg agaaccctgc tcactccctc 300
 tcaaccacac tcccgtgtgt acaaataaat c 331

<210> 32960
 <211> 116
 <212> DNA
 <213> Glycine max

<400> 32960

cgctatgatg gacccaaatg acaagagctc cagaattaat gcatacttta actaagccat 60
 cagcgctaata acaacccgca atggcatcga gcctctaact taaggatact ttacta 116

<210> 32961
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 32961

aaacccgcgg accaactaat cctgggcaat ccctttgcac tgcgtataca aagccccccg 60
 acgcctccac agtgccacct gagcgaggcc cgagcgattc tctacgccgg cgatcaacga 120
 agggcctcta acatgttgag cgatataacc gccacccgca cccgtgacaa cctgcggtga 180
 aagaaattta cgcct 195

<210> 32962
 <211> 447
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32962

```

aaaaaaatga attttcattg actanchnacc ggcatatact ancatcggac ccgggaatcc 60
tttaaagtgg acttgaaggt tgcaaactnt ttcagaccgn aagccatgct aaccaccttg 120
gttccttgat acagggcata caaatccctt tcttcagttg ggtggccctt accactcgga 180
tcacgaccaa catattgaaa atttgccctg cctttatccg tgccttgcat gcactgtact 240
tcattggacc gcattatgca tagtgatgga aaatggcact atggtagtct angatcaaaa 300
ctccatcttc tagcctaaga gaacaaagaa cttatagata aattcatgat tggcaataca 360
aatgatagat actgaattaa tgaagtcaac acttttgggt cattttgaca tatatgtgac 420
acatccatta tatacctagt ttttaaa 447

```

<210> 32963

<211> 496

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32963

```

nnnccttcgt taggggactg agtnatcana ncttntatac tcaagcttgt gaagggaatg 60
atgatgggag aaaaagggat gggaatgttt ctcaatatcc tttagtggga aaaaaagcc 120
cataaaactc ccgtgggtgg aagaaacccc taccatggat tctataaagt aattaaggga 180
ggtttttcat ccaggggtcc ttaaagtcct tatttaatta tcaggtggat taagggttat 240
tagttagaat aaaatacctt tcctaaagta ttatgggatg gtaagggcac aacatgatgc 300
aattggtttt gcctaattac tactaagtta aaatggtttc atttatatnt atcatgtcat 360
gtgtactaaa aatttaatat tgtaactcct tatgtaaaca tccatgatnt gtacaaanga 420
tatgatntac tttattagtt ttatatatga tgagtttaag acctagaaag acgaattcaa 480
attaatgaag aagnan 496

```

<210> 32964

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 32964

```
aggagtgacc tgatcagcga actacnaccg cttactgagg gggaagaggg gctctctgcn 60
nngcnaanaa agcggggggc cgaaccgggc cgcgcaancc tcaccgacaa aagccgggag 120
ccctgcggaa cagaggcaga acctagtccg cccccaaaaa gccccccgaa gcagaagcgg 180
gccgcacaga caaaacagac gcgcgaagag agccacacga aggccaccga aaatgtggca 240
ggcgagacct gcgaagaaaa gcgaagaaga actacaagag gtcggaagaa acacgagagc 300
cggcgactaa aacggggggc caaca 325
```

<210> 32965
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32965

```
tgacacaatc aatattctgt gtcttatcaa gccactgttg tantttaaca nataaaaaga 60
tttgtggtgt gtttgctcac tgactaaatc ttaattgtat tacagacgaa tatgaaatct 120
aagcaagcac ttagtctttt ctatcaaagt gttttgaaag ctttttcgaa ctatacaaga 180
atatatagag agattttcac aaaacaaatt taaatgttag cgcacagggt cgtaacccat 240
gtctttaaaa cttttgttat ttataggcat tcattctcaa gtatttggtg tctctaaaca 300
aatagttntc ttcacttgag cttgcatatg atgtttatgg tcgttggggc attgcattaa 360
atgcacgtac ttctttatgc cagaaaacca ctcttattca ctctcatgta gaataattca 420
gca 423
```

<210> 32966
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32966

```
ttcttgtttc gacctactta cccgttgaag atcgaagaac gatgaaaaac gattgaacaa 60
cgtcgaaaaa cggtcgaaaa ccttcgcgaa attcctcacg gaaatgtttc ggaagcgcct 120
cggcttagat attctttacg gaaacaattt ttccaagcaa attcgaaaga gcgagaagtg 180
```

cctaaggggc tgaacccttt tgcacttcac ttctcccct atttatagca naatagggga 240
gatgcttgcc gccagctcg cccaggcgag catgggtgct tcctccataa gcaacagcct 300
tctggaggaa tntcttgag ggcccaagtg ggctggntg ctatttgac cccctttta 360
ctaatacacc ccc 373

<210> 32967
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32967

ntgatcttcc accaccgcca ccaccatcat cttagatcta tatttttata ttaataagac 60
cttgaatttc aggcctggat tttggctaaa ataataatgg aattggacca attaacaatt 120
tcctatttg catggaatgt ttgaacaaat ataaagtatg ttatttgact atatgggttt 180
tatagataat ctatttatga ttgttgcttc atgggttggt tgtagtttc tcaatgaatg 240
ttgtatggat gtgtagttat atttgattat ttcaaatttg ttacgcactt tggctctttg 300
ttgatgccaa aggaggagag aaatgggatt aaaatcaaga actcacatga gtaatcaatn 360
taattttaag atatgcacaa attcaaaaac aaagggggag aatctatgtg agtgatc 417

<210> 32968
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32968

cactnctcta catgataaat gagtacaacc atttgatctc ttgcaggggg ggttcctaaa 60
ttcaaagaac actttgcctt cttacaacta tctctattag agaatgatat gcaaattaac 120
aagtaatttt cttctattca ttagaagtga ccactccatt aattgtatct gcatgttata 180
gaatttgtaa ttcatttggt ttcttgaaat attattggta gggtataagc atcaattttg 240
gtgtagaaac caaggtgttt ttttttaaaa aaattgtcta ttatcctctt ttagatgcat 300
cctcattttt taaattgagc ttatta 326

tatcttgttt aatggctaga catgatacat gtcagggctt ggtttggttc aaggataaaa 60
 gggatgcccc acattatttc catgacacan atgcaaaaaa tgatgatttg gaaactttat 120
 gcaaaaactgg tcatgcatgc acctatgcgg acaactcaagt gtcaaatttt tatgggtcatg 180
 tgatgctagg gctcaggatt catttctcta tttagtcaac ccacgcttcc aaatatgttc 240
 tttatcaatt gtgcattcat cgagtcattt gggcgttcgg aaaattttac agcatcaccc 300
 ttcagtgata ccacattttt taaaaatggt ttga 334

<210> 32972
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32972

cacaacatcc tccttcggtg tttcctttgt tgccactacc acctncttca atgagcgaaa 60
 attctcaaatt tcctcctcat ttcattccct atttgccact ccctccacca ccagtaactt 120
 ataatacaatc cccttctacc gaaaattctc aaagatctca aacttttctt caatgtcaca 180
 aaacacctct atcgcatctc ataagcctcc caatagttat attcgtgcac aaactccttc 240
 aaatgaggaa gttgatatta caatagagga aggaggaggg agttctacaa agaagaaaaa 300
 gggaaaacga ttattctttt caatt 325

<210> 32973
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32973

ntcaccagat catataagat aaatncattc atccaatctg tatatannta tcctccaaaa 60
 tgggtcaaatt ctctgcccta tatatttcaa ccctttccat cactggcaca ggagtgaatc 120
 tttctcatgt gcaatattaa agttatattg tcatccattc ctcaaatca gaaaccacaa 180
 acattgccat atattangaa ataaaaaacc taactcatac tcaaacatan gcatcaca 240
 caacaacatg caatgtcatc tattaataa gagcatcatc aatgaaaata ataaaggacc 300
 atanacctcc ctacgaagcg cgtagacaat gcaaatgata acccttgaac atataanacc 360

ccaaatg

367

<210> 32974
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32974

agatgaggaa gtgtagaagg gtgagaactc ctgcttctan tctttgacca canagnngta 60
cctagagata tgtcgcttga gatcaggaca ccttcgggac gtcaggtggg gtgctattgc 120
ccaataccaa gcttgaccaa tcctgaccca acccgggcat agtcggtcag tgagaacctg 180
tgatgtaçct aaacatgcga agctcctgca gtcaacagat aaaaggaaca aagaccacaa 240
atcanggagg cttgtggtgg ctggccanct gtgaattatg tgtgatatat ggggtgtggc 300
ctctggtaat cgattaccaa ggggtgggtaa tgcattacaa ggcttnaaaa tgaagacagg 360
aggctaagat ggtctctggt aatcgatta 389

<210> 32975
<211> 254
<212> DNA
<213> Glycine max

<400> 32975

gtccgtggcc aaatgatggt ggggatggtg gtaggcgtaa ttgttaacgg cggaggtaag 60
gtactacaac ttcgatctag tttttttcgc tataaaactt acaaataaat aatccgtaaa 120
ttatataaaa cttatggatt atcaatccgt caattatata taacctacgg attatcaatc 180
tgtaaaaaga caatccatat gaattatgcg aattttcagt aatccgtata gtccatacgg 240
attctcaatc cgta 254

<210> 32976
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32976

aggatctttg ctantcgcct taatatagct tgctgttaaa taaaggatt cagaacatat 60

tgtttttaaat gggtttcaag cctggaggct tcaaatttat attgaaagga cctctatcta 120
 taattttgga ctttatgaac aaaagaaaag agttgtgtac atatacctgt cctttcactg 180
 cctgtgttat ttaggatagg ctaccctcct ttggcggtgg agctttcaaa accctaaacc 240
 tcagttggct tctcaattgg acatgactca acggggatag ggaagcactg actcacggag 300
 aaggctgagc cactagagca cacgtcagca tcgagcaact gtaatcgata ctgagaggaa 360
 cacgtgtaac tggaactcgg a 381

<210> 32977
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32977

accttctgag gttgccctat tgtgtgctgt tttttttttt agacaaattc ccttagcaat 60
 ccncaaatt aaggacttat cataactcga aacccttatg ctttcttaga accctanaac 120
 aacgtcaagg atatcaaaat taagctcagg ggtttattca aacaaatcat tattactttt 180
 ggctcaacag gggtgcaagg gataaattca tcacaggtta gcttttttggc tgagtggcta 240
 aaataaaaag aacatggcct tgatcatatc caccttatgt aaataatcta acagtctaag 300
 aatgatgcaa aattaataat ntataaacag acgttctctc ataattaagt tcacacagct 360
 caccggaca agataaagtt atcg 384

<210> 32978
 <211> 108
 <212> DNA
 <213> Glycine max
 <400> 32978

atgtctaagc gagaccttac aactagggac agctagcagc caaccttaac actaccaact 60
 ctcaagaaaa ccactcatat tatccatcta acatcagaat tacaatac 108

<210> 32979
 <211> 143
 <212> DNA
 <213> Glycine max
 <400> 32979

[illegible]

agggcgctgn	cccttgattc	ctganchaca	ttntanatac	tcgctccac	aatcccantn	60
ccttgaatag	gccttctttt	tttttttccc	agtggagtcg	ccaactgtcg	caacgtgccc	120
ttctcgggcg	agcgaaggcg	aggctcacgg	gtgcgctttc	caaggaggaa	agggtgcgga	180
gtctccacca	cgttatattgt	gggaacgtcg	gaaaacaaaa	tgaaaccggc	aanatgaaaa	240
tctaagncgg	gagttgtatt	acgcttgaga	agtattacac	ctcttacttt	tctcgaagac	300
acagcctatt	tttagaatgg	ggaaatgtgt	atctaacttt	attcttttat	ttttgaggcg	360
acaaagcggg	ctttgctcta	ctaccctctc	aagaggagtc	gactactagt	cttctatgct	420
gataatgatac	tttacttaq					439

```
<223>      unsure at all n locations
<400>      32983
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cttggccgag	aagaatggat	atcctgcaat	taattttcca	tgtaaacag	tctgaaagta	60
ccaaatattt	cctatcaata	ttcagggttc	aagacacata	atcatggtac	ctcaactact	120
cagtgggtata	tttaggttaa	tccatgcaaa	ggtgtccata	tctaactaat	aaatcaaaaat	180
gtgaaccaca	attggcactc	taataatggt	tcagaaagtt	tattggatct	aagggatcta	240
aggataagtt	atgcattctt	ttctttttca	acacttgagg	cttgtgaaat	aataaatggt	300
cacttctgct	ttactctttc	actnggtcat	gtactatgca	tttgctactt	atttgtctac	360
ttattggagc	g					371

<223> unsure at all n locations

<400> 32984

ataaaactca gctagccaat ttcattgcat cctattatat tatgatcttt ncgaggtttt 60
ctggtaactg ggtagggttac ttcttcaagt aaggatatta cagtttgaag taggtgtaga 120
tatgttttct tctactcttc tctttttatc tttttttatg tgtgcgtgcg tgagtgtgtg 180
gcatgagatc ctctcatatg ttgtcactta tcattataga gaacggctgc tctagaaaga 240
tcaattaggg agaaagttgg atggcagaaa ttcataaaaa gaggagtgc cacactaagg 300
aagctacagt accaggtttt tcttttagcc gaagtttgta attgccttgc aacattgtat 360
tatgagactt gat 373

<210> 32985

<211> 249

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32985

ctttttggcc acattttaag gagtccatta ttcacttaga atcaaaattt cagccaacaa 60
ttcattcacc agaactcaaa ttcacaatag acacaatcat aaggaaacct aaacgttcaa 120
gaaaaggatc acaatcaaag actctccaag aattctgcat gaacatgtta aggactaatt 180
aacatgcaaa gatttgactc anataaaata ataggctaaa agaatttcat acactcatga 240
acaaatgag 249

<210> 32986

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32986

actatgtctc atttttcctt acgaacgttc tcttgacaaa gacattctat taactaagaa 60
aaatgcaccc atacataatc aaggcagctt cattacctag attatttaca cgtacttcca 120
aggtgtatctt gttacttaca tcacacccat ctcttggt aaatttacat acatgcatac 180
tcaaagcatt ttgggggtacc aaaaattgca catgtgcaca tcttggtatt tctaatacct 240
atacatagc aaacttcatg atgaatcttg actatcttca canaaagggtg ctacatttca 300

tgctcctttn tcaagttttg ctacttaaag cgcgatgcga attcagcata tttcctttgc 360
tga 363

<210> 32987
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32987

gctttcnagt ttctggnttc tgaacctgaa aacttgtgct ttcattcttc atctcttctc 60
cctttgccaa aaataattcg ccaaggacta accgcctgaa ttctttttgt gtctctcttc 120
tcccttttcc aaaagaacan aggactaacg gcttgaattc ttttgtgtct cccttctccc 180
ttgtcaaaga attcaaaacg acacagtctg agaattcttt tgattcttcc ctttcccaaa 240
ttcaaaagtg ttcaaaggac taaccgcctg agaattatct tgtatcccca ttcacaaagt 300
atcaaagggt taacagcctg agatctttgt cttaacacat tggaggctac atcctttgtg 360
gtacaagtag agggtagatc tactngtggt tgactgacaa caagacaggg tacatctctt 420
gaggatcatt c 431

<210> 32988
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 32988

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ccatgatatc accatattct taaggatatt tggagctctg gaattgtttt gcgaataagt 120
gtggagggtt ttgtttcatt ggataacatg tattgttggc catgcttcat gatatatntt 180
gagccatact tgatgcacat tgcattttgg ttaaatgttg ggcgtgctga atatgatgct 240
gtttctcana ggctacaaaa aaaatcgaaa aaaaaacaaa agcagtaagt tgagtgaata 300
gatcttaatg acacaagatg atagactctg gttcactctt atgt 344

<210> 32989
<211> 286
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32989

cgtaacgttt ccgtaagtaa ttacacgaag attctcgaca gttcttcaag atccatcggt 60
tgttcttcgt tntcttcagt cttcaacggg taagtacctc aaaccaagct tttcaattca 120
ttatatgtac ccgtgggtgg ccacattgtg tttcatgtat tntcattttc gttttcattt 180
actttntata cccctttttg acgtgcttaa gccatttatt taagtcattt ctcacctaata 240
ctaaaaataa aataaatttc caccgatcgt ttgaattgat aatccg 286

<210> 32990

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32990

ttttttgtta ggatgcttca atggaggaaa agaaagaggg agagaaagat agagggggga 60
gcacgaaatt gaaggaagaa aaaggagag aagttgaact ctgagttgtg tctcacaaga 120
ctatcattca tcanagttac aacaagtgtt tcacatgctt ttatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctctgaga aaacttcctt 240
gagaagctag agcttatcta cacacacccc tctcataact aagccacact tcttgagaaa 300
cttccttaag aagattccta aagaagttag agcttagcta cacatacctc tcttatagct 360
aagctcacct ccttgagatg a 381

<210> 32991

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32991

ctgttngatg tgtggaggcc ttgttagtat ctcattgtaa ataggacac tatgcacaat 60
gttggttaata atcccatcta catcttttagt tcttattcct aacatatacg tctntatacg 120
cacttccatg agatgttatn gctctanagg ttatcttcaa gaggtacata atgtttattt 180
ctaaaatcat tgtcgaaaag gaatgtatga aacgttnttg ttccaacata ngttaatatg 240

gcttagcgta tggtttcggt ctcttctagt tcccgtgttg gtggtcgttc ttcgtctttt 300
tattcttgat cttaaagttt gatcttttaa ttattgccat ctgttccata ttncggttat 360
gtnggtttta cttttgtgat ntacataaat cttgctggta tgtgt 405

<210> 32992
<211> 75
<212> DNA
<213> Glycine max

<400> 32992

tcatgatgac gattcaagct gatgcaagca gtcttgatgt ttacgtagat gatgacacac 60
tgctctaaga gtgat 75

<210> 32993
<211> 113
<212> DNA
<213> Glycine max

<400> 32993

ttgttgtttt cttgacaata ccaaacaaaa ctgggaatga ttgcgagtct tcatattggt 60
ccggttaaggc acaccgtcct ctactacttc aactactggt agatgccact tgt 113

<210> 32994
<211> 280
<212> DNA
<213> Glycine max

<400> 32994

accagcggga cattactctg agggcataaa tggcatataa cctcctccca tgaatgcaga 60
catcaatgta aattgagagc aagcttatgc gcatattttc ttacaaacgt tctcctgcac 120
aagacattct attaaccgaa aaaatgcacc catatacaat caaggcagct gcgtcaccta 180
gaatatatac acgtacttcc aaggtgtatg tgttacttac atcacacaca tgtccttggc 240
taaattcaca tacatgcata ctctaagcat tttgggtacc 280

<210> 32995
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 32995

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atctactggn ttgattgttc atcgaacctg ataaaagcac ggggcaactg ctggagcgta 60
taaaggggac accaaaatgc tctttttatt agccgcaacc ggggggggggt gaggagcttc 120
ggcacactct cntcaccacc ctaacgaaat tgaccatgta gtgcccacac agactcttgc 180
acacccacat ctatccggac tgggacaaat gaaaagctcc cactggcgcg gaaatcaaac 240
aaacgcgaac gtaaggagca tttgagcccg aaaagcactc tatgttgaag aataacgcaa 300
attagaagcg caacggcggc atcacacaga ccgggttgat tcgtcataaa gtgaggggaa 360
acaaccaaca atctgtgcga ataacagtgg gaatggtaaa gtacaggata tgatgccttt 420
ccaacctcct ggagaaccgg cggccagagt tcgccgcgca gatacacaga gacgaccgca 480
tcgcg 485
```

<210> 32996
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32996

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agcttgcana atttatcact ctatatngca aacaggttca ccacgagaac cttgagccta 60
taanttttgc aagatagaac aaccctaadc acccatttac aaactcctcc accagcaaaa 120
cgattccaca ttntccatth cccctttttt atcacgacat caaagaaaat ctaagcgaag 180
aagagaaaca agaaaggcca caaaacaaac ttataagtcg aagcgagacc ttggtataac 240
agagctattc at 252
```

<210> 32997
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 32997

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gggnncgaga cttagactat gcaaccgccc naancgagaa gatccncctt ttttttttag 60
acaggaggtg gtctaatac ctggaagcgc agagtgtgtt ttctagctc tatctcttcc 120
```

ttatcctggtt acgatttgag attcgatgct ccaaaccccc aagtagctat attctcaagc 180
 ccgttaggac ctacgcttgc caaagattat aaacatccgg cctcaggacc agatccccaa 240
 ctaactctgc ctctctcacg ggcactatgg cctatagtgg agatctgcaa tttgcctttg 300
 aaagctgaga tagacagc 318

<210> 32998
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32998

ccagagagct agagacntct aataaaccoca ccngggaggg gaaaacggga tttgttattg 60
 agtncgacga gaagggttta ttaaaagttc tctctacaga gatatatcta gagcacacac 120
 aatacaccat acaaggcact tagagtagcg tgaaagtata catctcatac ctcttcaact 180
 tccttagaga ttgtcccaat gtggtatgta ttgtgctccc tattatatac taggctccca 240
 taagaccttt gggtcaaaac gttatccata ttctctacat tttaaccggg ttattataaa 300
 acatcttatg gcttgatatg gtcacattgg tcaggcttga aatctatctt tatagcggag 360
 atgtattctc agaaactaag accttttgc 389

<210> 32999
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 32999

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 tccccatata ctacaactta gtatatgtgt tattatcatt tcgaaatggt gtgacatgtg 120
 tttcaataaa tccaacgaat aaaaacacaa taaatggtaa aacaaggatt ctttgataaa 180
 ttatnttcac ctcacacgta gatattataac atgttcttag ttaagta 227

<210> 33000
 <211> 408
 <212> DNA
 <213> Glycine max

ncnctttcan canagagaag agaaagatga aggatcgaag attttcattt agtgnggatg 120
 tctcctccac ctctagaacc tcacaatcac tcataacctc atctcaagct cttaggacga 180
 cttccctctt cgagcttcgt tctctgaang gtcttcgtac agcaaaaatc tctcanactc 240
 tctagaactt ggacctttct ctctctagaa atctctagac atgtagaagc ttcaaaanag 300
 gccaaacctc ccattccanna tctgatttca cgcttaaata ngtggcttcg tttgtgcttg 360
 cgcgcttatg cgcactctga actgcttagc gcgcattact gaatntcngc ttagcatgcg 420
 tcttctcgct cagcggatgg actcangtgg tgcgctcagc nggatgaacc ctgctcagc 480
 gaacatgcac atctcactct tcttncagct ctctcttgcg ctcaccagaa gtgtgcgcta 540
 gtggatgctc gctanctag 559

<210> 33003
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33003

agcttatata agttgattca aactntctaa cttgtttttc ttgtttttaa aatcaaacag 60
 gtcccttaag aacaaagttt aaccaagttt tcaagttata cttctattgt atctattaag 120
 cacataaaat gaatgaccaa gaaagtcaaa ttacttgttt ttgcatctgc aaccatcgcg 180
 gtccataata atcatattgt tgtocatagc ccgtatgtgc tcaaggcaat tacagaacac 240
 aacattgata attcaaccaa cattttctgta caaaagcaat ttgaattggg acataagcaa 300
 ggcaatatct aaacctacct ctctgggcac aatattaaca aaatcaattc accactataa 360
 tattcatc 368

<210> 33004
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33004

tagcttgaga tgcttgacct ttagcaaaca gtatgtattc ttctgcgaac agtaaagag 60
 aaacacgagg gccatttgag gtcaacttaa ctggcttcca cctcacctcc catcagacac 120

tacctaagag atcatatcac caagcctctc catacatgat acaaataaat atgggaacaa 180
 tgggtctccc tgacgaagcc ctctcacagg aataaaacta ttttttggtc tacctccatt 240
 ccacatgata gaaatagaag tagatgacag agcatgtata atcacagaca taatggtatt 300
 atgaaaataa caaaaatnaa aaagagtttc ccaccaacaa aatcctagtt cacacgatca 360
 tatgcct 367

<210> 33005
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33005

taacacaaca caacagatcg ggaagtagcc taaccaaact ttgatgcaat ggctttttnnc 60
 ncnngnncg ggaggggtgtg gtgttgataa catcccaccc cgctctccaa acacaaacta 120
 tgataactgt tttgtagaca tccggcctat ttaccagtgc tccacacagc ggcactgatg 180
 gacgccagta ggctcgagtt acttcttcta tgcttacacc cctgntataa gaacatacta 240
 actacgattt ccncaccacac tgccggatgt cctcgaaggc aatgacgatt acaaactctg 300
 tgtcttctca cctacatcga tgtacactaa acccgtgatg tggacgctat tactccaaaa 360
 tcataccttc gccgattcta tgtgaataca gctctagcga ctttctagtc tcatcaattc 420
 ggctaggggc agcgaaagac tcacttacca tgggtgggatc taatacatct ttagaccccg 480
 cgctagctac ctgtcg 496

<210> 33006
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 33006

ataataatag tgggtgtagc ggtattttat cacaccttat ctcatccaga gtttatactg 60
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 ttatcttgtc cagacgttat gtgatctggc tcataagtct ggacttaaaa tagatttgta 180
 agtattgggg ctgaagacct atataacagc accaatgtga taggctaggg aggttttgtc 240

cgagagaggag aaggattgct gggttgtagg aattcagcgt atagtactgt ccatgcacac 300
 tgctcatgga gaggaaaatc gtcgttgoga acagcttaat ccatactgtc gaaatgatgt 360
 cggatgatatg cgtagggtac ttcgcgcgta acgacctgaa tcataagata tggggtcgct 420
 atcc 424

<210> 33007
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33007

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 cacgatntat gngaagcaca gtgactggag catattttgt tatgaatcat ccaacataat 120
 agggagcgaa ttcatagtga cccgtagta caaaacgoga gatgactatc tagaaatatt 180
 cactcatatt tgaggtcgac atctccaaca actctagata gtgggttatga gaattctcag 240
 gagaatggag ctagagccca tgatgaactt ccaacagaat gcgaagcctc aacagatcat 300
 gcgctcacca ctatattggg gatatctcaa aaggagcaac aactacatag tctcttacag 360
 attatgcacc aacacgcttt cttgccatga tggagcctaa atttatagaa cccttggagt 420
 gaaactgaac cttgccctcc ataaaacggg acaagtcgaa gaggcaacgt ggagcccgat 480
 aaaaccttta taatccgtgc tcgaacaaag gggttttaa ataaten 527

<210> 33008
 <211> 169
 <212> DNA
 <213> Glycine max
 <400> 33008

gtcatagcat gaacccacgg gcaaagcatt tatgcccggg tggcccctac aagatttacg 60
 gtagccacat cgtaaagctc tacaccacaa agaatcaaag ctctttggag tcccagatct 120
 accccgacaa ctcttaacgc ccaccagact tcaccccaaa ttctacccc 169

<210> 33009
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33009

gccgttgat ctagtactnn ctgannaacc aacnnaaac gaaccnagat tgaagagacg 60
gacagactta gattctatgt ttttcctccg cggacgcggg agccacgtgg accagtgtgt 120
aacttcttat ctctctccct aattagttac ggggcaacaa ccgcgtaaga catctactgt 180
tgtagccgca tctatctgcy agcggatctt gcgttgctgt tgatcactcc catcagcaca 240
tgagcaatac cacatacaac cattctaaca atgagctgag tctccaaaag acggatacca 300
caacgcgtcg tcttcggcct acaatactac ggctgcccgc accccctatg agctccacag 360
gacctattgt gacggcaatg gcagtctcct ccaatcggtc ccccttcaca agcccttttg 420
caaacgagca taacctttaa ctcatgatct cacagtaaca ggtcttgtaa tactcccacc 480
gcaactcagc ctgacccc 497

<210> 33010
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33010

ttaaaagtct tattaattag aaaggtggag ctttaggctt taaaaaagcc tattacgctt 60
gataggttgg tatgtttata taataggctt catgaacgtc aagaaaataa tgtatataat 120
gatacttgaa tttcattntt gtctactaaa aagatcataa atgggtcttt ntgaacatca 180
ngaaaataag ttacccttat taagaggttt ttcttttgct ataacatcca agaantnaat 240
gcaaattgag gataaaagat agtgacgaaa caagtcatga gacatanaag catcaagatc 300
tcagtcctag ccgatgatg atg 323

<210> 33011
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33011

acttgggttt gccttggttt atgnacnntc aganannngg natagataca cattttnttt 60

gcccaccccc cgcggttta aacaaaaccc cccccccca cnnncncacc ccaccaaaca 120
 caaaaacaac acacacacaa gaacaccacg aaaaggcgat ttaacggggg atggtgtaat 180
 aaaagaggag ggggtgagga acatgtggag ctggggtaat gtgagaggag atattacaag 240
 tgcgggtatg accagatact aagatttaaa atatatatcg ggggtttagg tggaccggta 300
 aacggataag tggagattca agaatggggt gg 332

<210> 33012
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33012

agcttctccc cctattttct atatataggg ggagaagtga agtagagaag gggttcagcc 60
 ccttaggcac ttctctctct ttogaatttg cttagaaaaa ttgtttccgt gaagaanatc 120
 caagtcgagg cgcttccgta acgtttccgt aacgtttccg tgagtgattt cgtgaagggtt 180
 ttcgaccggt cttcgacggt cttcattcgt tcttcacgtt tcttcagtct tcaacgggta 240
 agtacctcaa accaagcttt ttaattcatt ctatgtaccc gtggtggtcc acattctggt 300
 tcatgggtatt tttattctcg tntcatttac tttttataacc cctttttgac gtgcttaagc 360
 catttatnta agtcatttct cg 382

<210> 33013
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33013

cgcccccgca ggacggaggg ccttgnagna gnacccctng cttnactata gannacnncg 60
 accgnnngac gcgnataagt ggactgtgtg gcaagtcanc aaataatgng ttatactcgc 120
 gaatgggacg gacaacatgg aagggtggat gattcgtcaa caagaagcaa atcacaccaa 180
 aggccctcatt ttcgcttcaa gtactaaata ctaggattag cgttcacaca accagagacc 240
 ttgactocaa aactctctta aagatcaacc ctctgcctca caatgaaatg tgctctagtc 300
 attcacagca cgtgtatgcg atcaccaata catgctatcg attacacatg gtttgaaagt 360

gtgcaactcg atacacatca tatgtactcg actacaagag actctgaaac gtggtattca 420
 attctaataga atgtcacact gtcaagaaaa caactgtgta tcgatacact attctgtatc 480
 gataccaaga gattttatga tatcgaccg cacatcttca ttaattggat gcctcaagct 540
 ataaagtact ggccan 556

<210> 33014
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33014

cacatgtgng actacgtggc ggtcgtgcga tgggtgcacaa caagtattcc acatccacaa 60
 tgcgcgcata atcccacat ccgctgttgc ccacctccat ctgagctcac gtactcccac 120
 gtagcccata ttcttatttc tctcaacacc ggggtcccat caatcctccc aagtttctcc 180
 aacatcaaag taatacaaca ttcacacagc acatgctatc gcagccaagc ataacagggc 240
 aaaggcagaa tactctgccc aataacacca accaaaatca cagcttttct cacttaaaga 300
 ccccagtaac aatttcttcg atccaattcg ttaaccgttg gatcgactcc aaaattgtat 360
 tggaagtcta taatgtatac gcctacatt 389

<210> 33015
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33015

cccgttgatt cgtagtaact gaacatccaa cngactaaaa ctgagttgat tatggagagt 60
 tgattttcttt tgtttcacag agcgggcgct gtacactaac tatcaaactc ttgccttcgc 120
 aaggaattgg cccaacgag cttgccttca aagagttcaa gaatggacaa gtaaccact 180
 gaactagtcc gctcccgatt atgaccgtac cgctcacgag cgctgacacc accactcttc 240
 aagcctcctg gatggacttt ctctgggacg aactcccg ctaggacgag agttactgtt 300
 tccagaggaa taggcgccga cggggcatac tggcttctct ggcattttat cccattagga 360
 ttatttatcc atgttgccat caagaggcgc cgcataatc cggaaggcgc tgctccttat 420

cctccatccc actctgatcc

440

<210> 33016
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33016

agcttngnac agattgcatt agattatcag aagctgacca caccatggca ttactcaata 60
naggctagtt catatcttct atggtgaagt gtcctcacat aatgggacga gttgtgatgc 120
tacttctggn ggaaaccttc actactggaa aaaggaatt ctatgtcggg tctacaacac 180
ttntaagac ggtttgaac tgtcttctgt accaacgtcg tagaaagtca aaactttcta 240
agacgaattt ctgaaaaaaa taactgtctt agaatgtatt ttttttaaaa aaaatanaat 300
aaaaattgag aattctaaga tgattatctg gaaaaccatc ttagaatgtc tacaatctaa 360
gaaatgtttc t 371

<210> 33017
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33017

ntttaggga tccgangatg accntnatc caacngcatg acttataccc ccaacatgaa 60
aaaatttttt acccataagc ttaccacgag cgtgataaat aaaattcaat tttaggtcca 120
atcctttacc acaaccaccg attaaaaaaa cnttgattct tggagaatga cccaaacggg 180
attggtgagt actacattat aaaacaactt tgggggtcac gagttggtgg atctgacatt 240
ccacacaaaa ttttctcca aatagctgat acgtaatctt ctcttttgaa catgttgttg 300
tgtgtgttga cactctgaac taagcaccca acaccatata tacaagaag agtgaagaga 360
aatcagatat ttgttagaga gaaaaaata aataacaggg gggttttctt ctttcttctt 420
ggtcctttca gattggtccc acaacacttt caggaagcaa n 461

<210> 33018
<211> 400
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33018

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agctnctact tatgtggctt gttgggtgctt cttcaccttc ttgtctgcaa cgcgaatatt 60
gaccattggt cttccttccc gcaatgcttc ttttcatgtc tgcttgagtg ggcttatacc 120
ctaaaccata cttcccacga tatccttgag tatttatcag gctagtaatg ccgccgttgt 180
tgtttcttaa acccatcccg ggttcaaaac cggtccccaata cataactcgg gccatcatta 240
ccactgcacg ggacagacaa agttgcccac agaggaggag cacggaggag atgctgacca 300
cctcacaaga ctggaaagca gtttctaacy attcttctgc ggcttccaca taaggcatgg 360
aggatgggca gcttaccaag atatcttact cgcttgacac 400
```

<210> 33019

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33019

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gcagtgatga tcttacgacc ctganacgag aacnnnacan annannnncan naatgacccg 60
ctaacctaga atantattat cttancgctc ttaaccnang gatttagaag agcttatggg 120
ctgagtgcga cttgaaatcg tgcaaccac aagtcacccc taccgcccac catggcatcc 180
cccttttggg ctccagacag gctgatgctt aggtggccat tggacccttt ataccacttg 240
aactaaacct actaaagccc tttagttgat aacgcacaac atatatttgt cactcaacgt 300
acaatgattg agccatatat aactactcac actctaaaat gaacatagtg tgtcattaat 360
cctctcattt ggcatatata actacaactt gactgtctct tgaactgggc tcgtttctat 420
agatgacaca cttgtgagag ctnccttgctt tcttgtctag cctgtgaaga ctcagcctta 480
gtgatctt 488
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<210> 33020

<211> 274

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33020

cagacatcca accatactat aaggacaatt ntcagtttct tctaaacttg ataacttatt 60
 ttagccccac taatcctaca agagagaata tagttctttt tttaaaaaaa cacacaatta 120
 ttttcttctt tggaagcctc tttggatctg tgcacacctc agttgcttat cagttaccaa 180
 atgagcaatg acaataactc attgttgcaa aaattgccaa aacctctatc ctctaagtga 240
 attacaagac gcatgagtca aacttcgcta ctcg 274

<210> 33021
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33021

tctggaacgg aggaatttga tacataccaa tgcaaacacg attagactat caactatctt 60
 tgcaactctt gatagacgtc tgatagggga gaatgaacaa caagctatta agtggctact 120
 tccttcaaga tcattgcctt cctttattcc ttttcaaaat gtntctgttg aaccaaactt 180
 gaacgtctga ttctacccta gtttcagagg acatcacatc ttggaatgga aaacctgcaa 240
 caaagtctga agaagacaat ggatgttggg actcaagttc ttgatcctaa gatgaanaag 300
 ctcanactaa agaagctaaa tctacttaat ctct 334

<210> 33022
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33022

agcttgctt gctcatgata tatttgangg acttatgatc actatgaatg acaaattcct 60
 tngngataaag gtagtggttc catgttttca aagcccgtac taatgcatac aactccta 120
 cataagttga atagttaagg gtaggaccac ttagcttttc actaaaataa gcaattggat 180
 ggccttcttg catcaacaca gcccgaatcc caacatttga agcatcacac tcaatttcaa 240
 aagattattg aaagtttggc aacgcgagta tggnggcatt agttagctnt tgcttaagaa 300
 cattgaaagc ttcttcttgc ttctcttccc atttgaaacc aacatttttc ttgagcactt 360
 c 361

<210> 33023
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33023

cgcgnccta aagaaggaa ttgnngcang natccctgc gaanntcaca tnnacnnaac 60
 nnnnganctac ttattgcttt tgcacatggc cagaanataa gtctcatnca tttatgacgn 120
 aactcctggg gtgtactcat ctatacaagc aagtctgctg atgcatcaag tccttgactn 180
 tcaagacact gcctgagctt caacaatgct cggctctcca actgtcggac nactctcctt 240
 tgggtcaaacc aaacaccttg ccaatgtctg acaacgtttt ctctctgcca tcctcaatac 300
 canatcttag ccctgatatg cccctttctt ttgggcttaa gatatttaga ggggtgtgcac 360
 atgcatcctc attagctgtg gtgagaccag tcacatctgg gatctcaant tgctgagtct 420
 gcagtaatct cctgcaattg gataacaatg tgatcaatct gcgacattca taatanntat 480
 gttgctcaca nanggcagaa gggctctatc tgaccatacc caacattctc cacattagga 540
 gaagaccacg ctacagaaat tn 562

<210> 33024
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33024

agcttgtgtt attctatntt cctctcacc tccattctta caaaaagctt ttcaagagac 60
 ctactattgg tgactgtntt tcaagagaag gtcttcttgg ttgaacactg aacacaaggg 120
 accaacattc cttggattca ttgtaagaag cgggatttgc ttcttggttg atcactggac 180
 acanaagacc aacgtctttt gggttcattg caagaagtgg gtacaacttc ttggttggtta 240
 tcactagaca caagagacca acgttccttt gggttcattg caagaa 286

<210> 33025
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33025

ataagctgaa ccatgttata aataaacaca tgttggtgtt tattcagaac atnagaaggn 60
atctgcttta tcttagtgag agtgattctc ctanattctt gagtgattca agaacacctc 120
ggctgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa gagtgattct 180
ttccttcctt tcatcatcac ccttggtctt tcacaccaca attccagaaa atccacctct 240
gccagaatt atctcgtggc cataactccc attttacgca ctcaaattaa gtgattcttg 300
agcctaa 307

<210> 33026
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33026

acaaganaaa aactagnata tgagtacatg gataatggaa gcctacactc ctttattttt 60
ggtacgtaat atgaagaatg ctttcataat tcgattaagt ggacttgcat gtttgtttgt 120
ttgttttgct ttttaattcc agtcacaatt agcggctctt taatcttgaa tatcttatat 180
tgaatgaata gcttgctttg taaaatcaca gataaaatan agggtaaatt tctggattgg 240
cctcgacgct tccacataat atttggaata gctcgaggac ttctgtatct tcatcaagat 300
tctcgattaa ggattatcca tagagatct 329

<210> 33027
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33027

gagagagacc aatcatgagc attaatatgt tcttgaaata ggagttagct gtttgctcaa 60
agtccaaaag aaacttgtct cagcgtctat gcganacana gaccaacatg ttagccatcg 120
tcagncagta ccaagaagaa ctaaattctag ccacgacca tgagcataaa gtggcgaatg 180
agtatgcccg agtatacgtg gaaaaagagg cttaggaag ggtgatcgac tcattacatc 240

gagagggcgac aatatggatg gaccgattng ctcttacttt gaacgggagt caagaa 296

<210> 33028
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33028

agctntaacc ttatcgtctc tcacagtctt tagatttggg agccaatcca atccttgtgt 60
 tcggactctc agccacttat gatagctgcc gatgatccca ttactgcttc ccctaagctc 120
 tctgtccttt cttcacaccg catcacatgc cttgtgaact ccttagagta ccctcgatt 180
 ggggttactg aaaccccggtg cgatgaaagg cgtgatgctt ttgtctgatg gcactcctct 240
 catggggtag ccaagctgtc ttatggcgag gacgggatta taattaatac aacncttgt 300
 tccatcaagg gaacatttgg aca 323

<210> 33029
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33029

agcacgtgaa gacatggcgc ttagtgcaag ggttgcacgt agncggtgta aaacctaataa 60
 attattctaa gtcttttctg tccatctttt cacctaagct taaaaagccc ccttggtcac 120
 tactaaacga actgaaaaat taatcataat cataagcaac tatectaatt acatgcaaga 180
 gatacaaaat gacaaagaga anagggaaag actagttggg ttgcctcca ataagcgctc 240
 ttttaatgtc attagcttga cgcacatcc tgttatcctg tgtccaataa ggttccaact 300
 tccagaacct tcttctntag tctttttttt ttcacacat tgaccttcaa acaaaca 357

<210> 33030
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33030

agcggcnnc aacnncagaa gccgagcgtt gcnagnccga taganaacca nnanttacan 60

anncacgctg gngngtaaac tgggctgaag ttcatttttag ctttaactgc agaactgcag 120
 ggtagtagga attgactgta tgcactgcaa tatgtctgta tttggacta ataaactgag 180
 atctaacagg tgtatattaa acagaaaacc ttctcgaggt atgcatcaat tgtataacat 240
 ttgacagaat agcttctctc gatgacactt aaaaacctat tttaatatat acatgacctc 300
 tgagtctatt gcataagtac ttctgtcatt cttagagcac taggtccaca cgaatgcgat 360
 aagataatgt cgtcgaaaga gatatttgta agaatcaagg atagtttact ttgtataaag 420
 gcagggttaga ttaacatcaa atatggcctt ctagaaaatt aactggga 468

<210> 33031
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33031

taatngagat agtgctatca agatcacttt cgtctttgtn tttcaagcac aatagntgtt 60
 tgctgcttat ctactatcct atcatgagtc tttcacatt cttttacatg tctgttcaag 120
 ttgttggttc catatttatt acttttgcac ttataacctt ggtcacaatg cttatatata 180
 gcaacatccc cttccctatt aaaatg 206

<210> 33032
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 33032

agcttgaaca aattctcata aattaaatt gctttgggct cagtgagact gactcgcttg 60
 cccaggctta ttcaacctac aaaggctggg tggcttaaag agactaactc gcttagccac 120
 caacaaaaga caaaaaacat cttagactgt ggcctaagaa acacaacgcg ctaagtgcgg 180
 catgctgact tagcgagttc atatgacact taaacaaaac aggaaattta aactctcgct 240
 atgcccgaagg tgcaatggct tagcgagttc atacaaacat tcatata 287

<210> 33033
 <211> 261
 <212> DNA

<213> Glycine max

<400> 33033

aaatcgcgca taaatacacc atccccctgtt gccacactcc aactgagctc acgtactccc 60
atgtagccca tatectctgt tttctcaaca ccgggtcccc atcaactctc ccaagcttcc 120
ccaacatcca tgtaattcaa cattcaaaca acacatacta ccacagccaa gataacaggg 180
caaaggcaga aaactgtgcc caaaacacca accaaaatca cggttttttc tcaactaaag 240
acccccgtaa cattgccttc g 261

<210> 33034

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33034

agcttataaa atgttccact ttctaatacat gtgaaggcca aattattatc aaacaaggtg 60
ggaaaacaat tatcaataac aattatcaaa tgtcacagca tatttgtttt tgacatgaaa 120
gtacaataag catgggtgaga tccaactaga atagtgataa ggcagtgagag tttcatcact 180
tgtacatgac atgtaagggg atgagatggt catgtgcagt gtattgttgc aatgaanac 240
aatatttgaa ttattatggt gaaaatcact gtcaaactct ctataatagg acaacattga 300
atgagtcaat tattttaaag gaaaaaaaag cttgaagatg ttttaactta ttttacaagt 360
ctcttgatac cttatctaata agctatgccca tcttataaaa gatcactttg atcatgtcag 420
gccaat 428

<210> 33035

<211> 519

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33035

nagcggcagc tgtacaatan gcaancctaa ttcattcnnn ccggacttnn tggangcaaa 60
tggagaat 120
aaccaaacat ttatgtaa 180

ctcgcacaaag atatttttct aattaagaga aacgcgcccc cgcacaatca aagcgccttc 240
 gttacctaga acacttatat gtaccttcaa ggtggggttg cgacctacat cacatgcac 300
 ttctttgcgt aattataata catgcgtact cgaagcgctt tgggtaccaa caaatggcta 360
 cgcgcccatt ctgggagttt catacccata ctcacacaac acttttgatg aatctcgtgt 420
 gccaccccaa caaaggggcg gcactatatg cgcttaatac aggggtttgt tcctataacc 480
 gatggcgaac ctgttatatt tcttgtagc aaactgcgt 519

<210> 33036
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33036

gagagtgatt catgaccctt gacatnacn cnagccaaca ccgnggccca gagagggaaa 60
 cttgtttttt ttaccacaaac caggtgttta taagaaaaat atccttcgca acactttcta 120
 aacgaggatg gggaattgtc caccaaaatg ataggtaatg tttaatgaac ttaaacaacc 180
 ttttctttta aacaacgtct tcaataaact tgggcaatca gactaaaaac agggaataac 240
 ccatctagaa ggatctgagc tctacactgc aaatccgccc gtatcttggg ccttccaaga 300
 agagtctctg ctacttacat tattacgtag ggctgaaaa acaggacaaa cacgggggctt 360
 ggctcttaac agccccaatc caaatataac gtaatgaacc aagaaccctg gtgctccacc 420
 ccactttgta ttcaaaagca acg 443

<210> 33037
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33037

agcttgctac tactatcttt tcctttttga ngatgacaac ttctgagatc gagagacaca 60
 cacacacaca cacttggttc tagccgatca ctcacataaa ttccattct cccctttgt 120
 ttttgaatgt atgcttctct taaaattaag ttgattactc atgtgagttc ttgatttaat 180
 cccattttct ccccccttt ggcatcaaca aaaagccaaa gtgcgtaaca agtataagac 240

aatcatacac tattaatcat tcacaaggca tgcattgaag aatataaacc aatcatgaag 300
 caagaaacat gactagatca gatataattaa acaaatacaca tagtcatcta acataattca 360
 taattgttca aacacac 377

<210> 33038
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33038

gggagatgga agcttgagat cntcatnatc acacnngacg caacggganc atacatgtgg 60
 tacagggtttt ggtgtcnatt gtcacacaag ttggcactgc catggcgcat aaccacatc 120
 cctgtggcca cttcaactga actacgtact ccaagtaccc aatatctcgt ttctcttaac 180
 accgngtcc ccaattaatc cctcttcaag ccttgccaca acattgcaag ccagaacaaa 240
 ccattcanac aggcacaatg ctatcacagc caagccaaac agagcaaagg cagaaaactc 300
 tgggtcanaca ccaaccagaa tcacagctgt ttctcgctta aagaccccag taacaattcc 360
 tttcgatcca ttctgttaacc gttggatcga ctcgaaaatt taatggaagg ctcttgatca 420
 taagcctaca ttgtgaccgg tgggatctac tagcaaacat tcagaactca ttctgcacta 480
 gactttcaca gccaaccaac acaagcattt tcttgacttg g 521

<210> 33039
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33039

gnncctatt aaccgagtca ngancnctg nnnatctgac acacnnangc caagcgcgac 60
 naggnnnagn aaggagaagc caatttactt tnnngacttt ttgacacgcc ggcataaggg 120
 caggagggnn ttctccatct catatcattc ggcacatcagc ctcatcatga gtacgtcgaa 180
 agacaaattt ctcaatttat caaacgttcg tacgaaggct acactcttct atgtaaaata 240
 tctccacctt atcataatgc aactcactac gactctgagg tagcgtagta taccgttttt 300
 ggcacaacat cagccccctt gggtgcgaaa cacactctgt ctgaatcaag ctacctatta 360

cgaatcctgt tttgtcgcga cgtgtgaata ataaacaacg ctctctcttg cctatcataa 420
 tggatcagac tccttggcgc tacttcaactg ctttgtggaa cttgcccga tggccctggg 480
 ttagaaacat ttttggttac 500

<210> 33040
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33040

ctcacagnnc tttagattgt gggagcgaat ccaatccttg tgttcggact ctcagccact 60
 tatgatagcc gccgatgatc ccattactgc ttccccctaag ctctctatcc tttcttcacg 120
 ccgcacccca tgccttgcca actccttggga gtaccctcgc gttgtgggtca ctgaaacctc 180
 gtgcgatgaa aggcgtgatg ctttcatctg atgggtactcc tctcatggga cagcccaact 240
 gtcttatggc gaggactgga ttataattaa tacaaccctt tgttccatca aaggagcatt 300
 aggacatact tcgcatgaag atagaatact gattct 336

<210> 33041
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 33041

attatatgcc ctaatctgac tccgttgatt agtatgacaa tttgaattct ggagagctgc 60
 cgttgtgcaa tttcgagcgt cttgatatat tatgcgcctg aattggactc tcgtgtcata 120
 agtatgacca tttcattttc tcgagacctt ccgttgttca atttcaagct tctcgatata 180
 ttatgcacct gaatcgtgac ttcgtgtgac 210

<210> 33042
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33042

agcttctccc tctttttcaa taaatanggg gaggagggca gaacaaanag gttcaaccct 60

cctgatagct gagaatcact tgaaattagt gagaaaaatt gtttccgtga agaaaatcca 120
 agtcgagggtg ctctctttcg taacgcttcc gagacgtttc cgtgggtgat ttcatagaaga 180
 ttttccgccg ttcttcatcg ttcttcgttc attcttcate gntcttcaac cactaagtcc 240
 ctgaaatcga acttttcaat gcattctatg tacccttagt gggccccact tgtttcgcat 300
 gcttttattc tcatttcatt tactttctgg accccctggt gatgtgctgt aataatgtat 360
 ataaggcatt ntctgccta atcagaaaat aaaatagaat tctaccgatc at 412

<210> 33043
 <211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33043

cccgcggtc tctctacac naaccggaa ggggtatagt tcccgaaggg gggtaagcaa 60
 aatttgaaac ccctcgtttc aggcgtggaa ataccggac gctttggggg gttcgggggg 120
 tgattcggag atcatctgcg gggacctgct ggggttcgaa acgaccggc gggcctcaag 180
 gcctgcccaa ggggtggaac 199

<210> 33044
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33044

agcttaatgc tgtatggttt gtaaacaac ataaggcgag gcttggttg aagggatatg 60
 cgcagatgtt cggggtagac ttctcagaaa ctntntcttc ggtttccagg ttggatacca 120
 taaggctgtt gttagctctt gctgcacaaa aagggttgat tatacatcac atggatgtta 180
 aatcagcctc tttgaatggg cacttggaag aagaaaattt tgtagagcag cttgaacgat 240
 ttgtagttca tggacaggag gagaaagtct atcggctgaa aaaggccttg tatggcttan 300
 agcaagcccc aacgtcttgg tatggcagaa ttgatgcaca ttgataaac ttatgctttg 360
 aaaaatgtct aagtgagttt acc 383

<210> 33045

<211> 330
 <212> DNA
 <213> Glycine max

<400> 33045

aaaaaatatg cttaatgcga ctatccatgc tcgtttgctt gtttcaaccc gtacaagacc 60
 ttgtttaatc tgtaaaacttt atgctcactt ccaatcttga cataacccgg tgggtgttca 120
 ataaatactt gctccttcaa gtatccatgt aagaatggtg atttaacatc tagttggcaa 180
 atgggccatg aattttatgc cactaaagca atcatcaatc tgatcgtgtc atgtcttgca 240
 acttgagaaa aaacttctgt atagtcaatc ccatattgtt gcttgtatcc cttcgccacc 300
 aaacgtgcct tgtacttgtc aacttcacca 330

<210> 33046
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33046

gcagtgttct ttagatgtgc aagataaagt atattgcatt aaaaataaat gagataaggg 60
 aagagagaaat tgtacattcg atttattttg gttcggtcac ttctgtacc tacgtccagt 120
 cctcaagtga ccacttgag attttctact atccttgatc attctttata atttctgaac 180
 acacattgng attcctcacc cttgtgtttg agtttctcac atgccaagag ataaacaatc 240
 tcttgattac aactattgag ttttattaga tgaacaaaat gatgtctctc ttt 293

<210> 33047
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 33047

catcaagctt ttttttttgt gcatagaatg tggggaaaaa ctagtaagtg tcatgaatct 60
 ctgacataag cttcaaccaa ttaacattgt ttgaatgaca actgtttag tagtaccgca 120
 atcacatagt ttgtccacca tggatgctt tatgttctta ttggttatag ttttggtatg 180
 ctttatgttc ctttggttat agctttggtg gtagaatgtt taatttgagg tccacaagag 240
 gaggatctcc atatggtgct ggagttattg ctggagatgg tagaagacaa gcaagtgaag 300

tggagctgga gctcgagag tatcatggca cgtatatatg aaattagccc ataaat 356

<210> 33048
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33048

cctcggggcc atttcctgcg aaggcaaaaa ttaggacatt tantttacca gngggacact 60
actcttagaa canaatggc atacaacctc ctctcataaa taaaaacatc aatgtaaatn 120
tagagcaagc ttatgcgcat atttccttat gaacgttcac ttgcacaaga catcctatta 180
actaagaaaa atgcacccat atacaatcaa ggtagcttca ttacctagat tatttacatg 240
tacttccaag gtgtatttgt tatttacatc acacacgcct ccttggctga atttacatac 300
atgcatactc aaagcattnt gnggtaccaa anactgcaca tgcgctcatc ctggtatttc 360
taatacccat gcatatacaa acttcacgat gaatctngac tacctacaca ataaggtgct 420
acatttca 428

<210> 33049
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33049

agcttgtatc tcttataaga gaatgagcat gtgattggaa gtgtgactga taatgttact 60
cactttgtca gattgattgt gaaggaatac attaattgta tcccaatgag agtgtgatcc 120
ttaaactttg agagaaatga ctatcattta gtactgattc ttgcatgaat ctctgaagta 180
ttgactcaat gcacgatatt gaggatgatg aacgccatat ttgattgtga tagccactta 240
tccacanagc tgaccatgtg cttgaatgaa ttatccctta tacctcattt gagctgaatg 300
aatgattgat tgattgaacc ctgagccta 329

<210> 33050
<211> 151
<212> DNA
<213> Glycine max

<400> 33050

taaatcctac ctcattggggc atataccaaa gctcaccatg cagataatca tacttttcat 60
gtgctagtcc tatagaatat tgaaaagagt gttcaaattg gtgggaggac ttgaacattt 120
ttgattttca gactatacgg ctttccta g 151

<210> 33051

<211> 558

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33051

cagggagagt tttganatct tgtangcatt tgnancnntc annaanntna gcgnaaanacn 60
ccgggaggcn ttagagacga cgagctttat gcaagcttga aggcctggn tatcataaan 120
gcaagncgcc ancgagggc gcttttagcag cgaatagacc actcccaccc cgaggtgcaa 180
gtaagccaac ttgcacaaga acttacgaga agtctaattg gaatttatgg ctaccatgga 240
gcctaaccct tatgagcatt gtaaagcagt gtcataacg agcatgcatg aagagggcct 300
anctcatgat gttgctaacg gtggtgttga cgatgatagt aatgatgacg aagagaaaac 360
tccagagaga gaaagagaga gagagagaga gctgtgtgtg gaaaatgcag aaaaaatgat 420
gataataaga aaaattgtct caccgagggg ggcgattcat gacgggtctta tatcccacaa 480
ccacgagtca tgtagtggag aaagctaaca acggagcatg tattgagcct accaaggatg 540
taccttattc tttggccg 558

<210> 33052

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33052

gggcaagttt gttcttcggt gacctttgaa nacnaaacnn cacngaaccc nnnangagag 60
agagnngcct tttttanaaa ttctccaacg ggaggcaggg tcttcgtgaa tgcacaaacc 120
aactgcccac aataaatgat taaggattat agactgaaat caatttatta tgcgcaggcc 180
atactgcac atcccagtct cgaatgccca attgacatat cgatatcact gacactctct 240

acaattatga cctactttgc aacacaccag gtgtaagaaa aaaaagccaa agatacactc 300
 ctctgaacag ccaacatttt catattaaaa aacgtgtgtt tacaccacac ccaaatgatt 360
 ctaaagatct catttaccaa attaccaaatt gaaaaagggtt gaattaaatt caatctcctt 420
 taccaagcgt ggtc 434

<210> 33053
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33053

agcttncatc agtttctgac ctctaacttc tcaaggaaac tttcttcctt gcttgccaag 60
 gaagctacct tccttgcttc tcaaggaagc ttctcatgtg cttagagtcac accttccatg 120
 cttctggcat ctaaagggaata taaactaaga tgcttttaac atattcttga aatattcctt 180
 ttagattcac atgaaatgaa aatttatattt accaagtgaatt atttcattaa attagtgaac 240
 taagctgtaa atagacacaa gtgtaaatatt tgcacaaact taaatgaaag agaaacttgt 300
 gagacacact tcanagttca acttctctct ctattctcct tcaaaatnca cgccacactc 360
 tctctctctc tttctctcat tctctttctg cattaaaaca tcattctct 408

<210> 33054
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33054

nnnnnnnncc gactggcagn gtcgangaac ctganaacna acnngacaan acctncctgg 60
 tcatgatgag ggaattatct tttntcttn ntcccanntn gtganaacgc caaaagaagt 120
 cgacagaccc aatgaataga attcatatat tccgaaaatt cccttcttct ttaaaatnac 180
 aagaacacga tgcacttttg gattcccgtt tggggcctca cttgttcttt ttctctaccc 240
 ttcacccacc attttctctt ccattgcccac natgcatgtc ctctntcttt tgttggtttt 300
 ccattgtcat ttcgctgaac cctttctacc ctaattcttag agtacaatcc cctgctctct 360
 ccgatcaacc attaccgact gtcaccacc cattctgtct tcgtgaacac cgtcatcctt 420

actactccta gctgggngca tctatgacaa tcgtctgcat gtcaccgncc ctcacctcat 480
catcctagac ctattgcgca cgctctttgc nacatcggcc acttccattc g 531

<210> 33055
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33055

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tgccaactta aagtgggaatt aaacaaggta taaacttaaa gttcataana aagttaaata 120
atgctcaaaa taggcaatcc tagcttaaat tntaccctat ccttgatgtc acccaaagtc 180
ggcaagtaca acttatagaa ttctctctctg aatgcatcca caaacctaaa taaagtttag 240
aaaccatcaa gaataagaca attagaatct gtttgatttg tataaatnta agggacaaca 300
agatacatct actatattat agtatatttca ctttt 335

<210> 33056
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33056

tcgactcatg aacaggggat cttgatcgtg tacgangctg cngngcatgc cgtgaatctt 60
tccggtgggc tccatgaata tcttanccac tgtagtagca gtgtagtgca ccggaagtat 120
ccccatatgc acccctttgg agaaacgggc caccacgacc aggaccgcca agggcggcaa 180
gccaaactata aagttgaggg agaggtcctc ccaaggtctc gtcggaattg gtagcggaca 240
tagtaatctc tggctcctac ggtggtcatt cttggtctgt tggcacacga tgcacgtgga 300
gatgaacaac tggacatcct gcttcataga tggccagacg annattgcac tgatgcgagc 360
caaggtcttt gtattctcat gtggccgcca gtgggagtggt tgtggaattc tgcgacgatg 420
gtggagatgg cctgaagacc tttggg 446

<210> 33057
<211> 499

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33057

ggccacgttt gtacatcgat gaaccctggn natcaaaanc anaaccgacc ccnntngtga 60
ggtagagagg gancacttct ttttcanatg ttctgccacc cnangaggag ggtgctggag 120
ggctaagtat cnaaccacca gactctaaat ggcatggttt aagttttata atgttgtaat 180
aggaatgtag ttccatcagg cctaagttat taccgaaacc tctgagaacg gaaggtaatt 240
tggaatttgg cgacctcatg agacatcggg tggtgggttt taggcctcct tcgtacaaca 300
cacaacgtgt ttcgataaga gaaatgccca tatggatcaa ctctctagta caacgacctg 360
cgcttgtctt atctataata cagtcgctg cattactgcc ttacctacat aaagtactcc 420
attattcttt tgatgacacg ctttaccaag gctaatactg agagcttgac agaacagtcc 480
tggttggggc gtgcacatc 499

<210> 33058
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33058

agcttganaa attctcantc agatagttat tagtagcacc aaatatgata tcatccacat 60
atatctagat gattaggaat tgacttctat aatctttacg aaatagagta gtatctacct 120
ttccataatc tttgctttta accatacaag gctttattaa gtttgaatac atgatgaggg 180
tagatagaac tctcaaacct aggggggttg tccacataga cttcttcctt gataagtcca 240
ttaaggaaca cactntntac gtccatttga tataacatta taccatgatg agcaacaaag 300
gatagtaaaa tgtgtatcgc ctctagacga gtaacaagaa caaaggtnct actattatct 360
ataccttc 368

<210> 33059
<211> 547
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33059

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ggggngctcgt ggacccgtcc cgangacgcg cancttnatt actcaaccta tgccgccaac 60
atctacaata gacctcctca acctcagctt ctattcagcc acaacagaat aactatgacc 120
tctgcaagca caggtaccat ccccgatgga agaaatcatc caaccctatt tggtcgaaat 180
cttcacaacc acaagcacia caacaaccct actttttcaa tgctgtggc ccaagcagac 240
catacgttcc tccaccaatc tagcaccaca gccacaacag aaacaacann acagtaaggg 300
cccctcgcaa cctcgtcttg agaacttgtg aggcanatga ctatgccaaa catgcagtnt 360
cagcaagata tcaaagcctc cattcagagc ttaacttata agatgggaca gttggctaca 420
cagttaaata aacaacagtc ccagaaatct gatagattac ctttctcatc tgtccagaat 480
cakananatg tgagtgccat tacattgagg tcangaaagc agtgtcaagg acctcaccaa 540
tagcatn 547

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<210> 33060

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33060

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ccgttgttca ttttcgagcg tctctatatg tgatgcgcct taatctaact tccgtgtgaa 120
aagttatgac catttgaatt tctcaagagc ttcctttgtt caattttgag cgtctcgatt 180
tgtgatttgc ctgaatcgga catccgtgtc aaatgttatg accatttgaa tttctaaaga 240
gctttcgttg ttcaatttcg agcctctcga catattatgc gcccgaaatcg ggcattcgtg 300
tgataattta tggccatttg aattttctcaa gagtttccga tgtttaattt cgagcgtatc 360
gatataattat aagcctg 377

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<210> 33061

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33061

gattgaatca ctcataaaaa ataaaataaa aaagt

335

<210> 33064
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33064

aggagtgagt gttctgtata ccttagnaac canaannnat ntagacnccg gatactctna 60
 gacgagnnga ngcatgcagc attttcaata tttgngggcn ngcttctggg attgggtgat 120
 tatttgaaac atattgcgca tggtatggtg atcgtaaca atgagataaa ctctgttatc 180
 atgataaaac atagcaacct accaattttt gacatcatga tcaaaccaac aatgtacccc 240
 atcaaaccaa aatattctgc caaaattctg aaataagggg cagctcgaat gacatctatg 300
 acttgtaaac atgagaatat gtcttgattc caaggacacc tcgaatgggt ttgagattat 360
 atgggttaatt taccattca ctgtgaatgc tttcactcct atttttgata tcatagaacc 420
 aatctgcta cgattgaaag gcttgactc c 451

<210> 33065
 <211> 204
 <212> DNA
 <213> Glycine max
 <400> 33065

gacgggagct agcttacaca acgctacaat ctctttttat caacggcgag aggacctcac 60
 aaatatctca gggaccaata aacgagagaa ctgcttaact ttttagggagg cgtataacta 120
 aggagtgcaa aaaattatga cagccatata gcagataccc tcaaatactc gagaacgaac 180
 agcagtcact acataaactt tggc 204

<210> 33066
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33066

gccccgagtgc tctgccacnt aatctagcag ctgacaccat gggaagatac ttttttgaat 60

gtcgtctctaa atgatggcag tagttcaata caaccaggca aataatttat catgtgatgg 120
 agtgtcatag ctaatatcaa acattaacaa gtaattgatt gccacccaac tcggtgggatt 180
 ggcttactaa cacaatatca aaaaaaccct tgctagttta taaagacacc ttacttattc 240
 cctgtacaac gttctaataa tactatttat ataacatttc caagcttcga gagtcataa 300
 cagtctatca ctatcact 318

<210> 33067
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33067

agctatcgaa tctgaatctc attctttatc acattgtctt tttcgtacta aaccaaacc 60
 caattcgcta actttntacc aaaatattaa tttattaatt aggaggggca tacaaggaaa 120
 tatattttca aaacctattt aggaataaat ttaaataaaa tacaaaatca aatctattgt 180
 ccgaaggag cgccgttggg ttttctatcc taaatcctac cattttccct tttcataatt 240
 ctcaactctcc gcaatattat tttccttcaa agtcattggg aagttaaaga cattnntttt 300
 ttataattnt ntgccatan aaaaaaata attccatgta tcgaanattg aatattcaat 360
 gtaaaccaca accttaattg aacattatat tc 392

<210> 33068
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33068

gggagaggag agtcagagaa cttganacca aacnatagca actnnnccaa cgtgtagacg 60
 aattatttac ctttagaaaa ctgcgccgtg gacagacatc gctatagaga tatccaactt 120
 ttagggcaca tgctacacaa ggcttggcat cagtacctct cagaactgag gcccaacaga 180
 catacatatc tgctaagaca tacttgttct tgcaaaacta catactacaa acttttcttg 240
 agccacctgt accttgcta gaagaacgag tgatgcataa gaccctgctt aagatcgctg 300
 ttcttcaaga catcaaggac ccagactga gcttacgcat tcagatggga ccgttggcta 360

ctcaattgga ttagcgcccg ttccgaagac tggatgatgaa tctctcaatc gacataatct 420
 caaagtgggtg ttgccactcg tcttagcgtg aaggtgtgca agactcaacc aaacaccg 478

<210> 33069
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 33069

tgaagctctg ataccacttg ttggacaagt ggcctcagat ctcttaacaa cggggggggtt 60
 gaattaaaat attcgaaact ctttcccctc attaaaaatc tatcttactt tttacttaag 120
 ttatgaattc ccttaatgac aatcttggtt tatattaatc cacatgaagc aacttgacta 180
 tgaatataaa gcactaatac ataaaggaga ttatcggaag agagaatgca aactcaatta 240
 tatacatggtt cggccacaca cttgtgccta cg 272

<210> 33070
 <211> 213
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33070

tactcacgct tcaagaaaag gcccaactct ccttagatat catatntcat gtttaaataa 60
 gtggctntgt tctgtcttgt gcgcttagcg caattctgaa ccgcttagcg cgcattagt 120
 aattatggct tagtgtggct cttctcgctc agcggatgga cttaaagcgggt ctgttttagcg 180
 gggtgaccct tctctcagct aatatgcaca act 213

<210> 33071
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33071

agcttntgcg gattttgnng tctttgccag tgaaagggaa atcgatgtgg ggtctaanat 60
 ataagggcaa gtttaagtca cccttggctt ggaccgaatg atgataaact ggggcaacat 120
 gaagaagggt gagggatgaa ggggagaagc ccgtgcttgt gaacttgcca tttccaatac 180

aagcccaagt ttctcaaccc aaccaacaa ttgtcattat ctcagccaat aaccaaacct 240
tctcncttac tccaccgccc agttatccac aaaggccatc cctaaaatca accacaaagc 300
ctacctacca cacttccaat gacaaacacc accttttagca taaaccaaaa caccaaccaa 360
gaaatgaatt ttgctgcgag a 381

<210> 33072
<211> 287
<212> DNA
<213> Glycine max

<400> 33072

ccatggtgat atctgactga acgaaaaaac cccaatcaca ctcgtagcgt ggattcttca 60
gcgctccaga tacgaattaa tgactcaagt tctaacctgc tataaccatta cacgcttgag 120
ctattgaatt catttcccct gaatgagaat tagagcttgg agaaactttt tcgggttctt 180
tacaaagact ggcagataca agtgacgtaa aatgacgtac gctccggtct aaacagaggt 240
gcatagatgg cattgtggac ttgtattggc gcttcaatgt gtggccc 287

<210> 33073
<211> 362
<212> DNA
<213> Glycine max

<400> 33073

agcttacaac attgtcggtc atatcataag tgcaaatagca atagaacaag cgatattttg 60
cttccaaaca cccacattg gtcgggtact catatcataa gtgcaagcct atattgcttt 120
agaaaaacat taatgcaact ctatattttt tctgttttga cctgaggggtt acaaattaca 180
tattcttccc atgatttgca tctgttgctt gcaagcctat attgcttttag aaaaacatta 240
atgtatccat ttgactgtgt tatcattaaa ttggcattgc tatttttagca atcaccaatg 300
atcttgtaaa cttatagggt tgggttaatgg taaggataaa aaggtggata ataaagtgtg 360
at 362

<210> 33074
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33074

tcaagaatca agatcaagat tcaagattca agactcaaga atctagagaa gacttaatca 60
 agataagtat gagaatgatt nttcanaaac tgagtagcac atgaattttt cacaaaacat 120
 gtttaccaaa ggggtttttac tctctggtaa tcgattagca aattgctgta atcgattacc 180
 agtaacaaaa ttgttntgaa aaagttntca aattgaattt acaacattgc aattaatttc 240
 aaaagttgta atcgatacaa t 261

<210> 33075
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 33075

caactgacat tgcgcttggc ggccgcgctt aacaaagtat tttctacacc tactgttcgt 60
 tgatttgacc aatgctgtta tgggaatgtt tcgacaatcc ttcaaaaccc tatggataca 120
 ttctgaaagg ttggttgtca tgttgccata tcaacgtcct tctctatcat aagccatcgt 180
 ccatttttac tgttgaattc gatcaaccga tgt 213

<210> 33076
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33076

aggggaggag ccagggttag anngtacctn tctnatctca nacnnntaca catccngnnn 60
 tccnnctcag tcatagcaac ttatctttct cagcttttca ggccaaaggc ggaaacctct 120
 ggccaaactc aaacccaaaa tcacagcttt ttctcactta aagaaccag tacattttct 180
 tcgttccaat cattcacggg tggaatgact tgaaaattta ctggaagttc atagtcataa 240
 atctacattt tgaccgtcgg gatctgctag aaaatatcca aaccccatat gtactaccct 300
 cttcacaacc aaccatacac aagcattttt ctgcacttat acaaaaatct tgctgacatt 360
 tcaacagcaa aattctgcat aaagtgcaga tgtcgaagac cactctngcc ttcattccat 420
 nttgcccaa tcgaatncta catgtcccaa atcatgtttc aatcatgtct aaccaatgac 480

aagcttcaga ctatagcaac acacaatcta ggtatccaaa cctctcatta atg 533

<210> 33077

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33077

catcgaatat ccntatata naccgaccag aggnaaggga aaatttattt acccccgcc 60

gggaggggtat ggcgaaaacc tccccggtgg ccaaaccaac acttattacg tcaccgccgt 120

taagaaacgg agctaaaaca cctgcaccgg tcagcttcac cagcgaacta atatgaaccg 180

cattaaaacg gcagcttggc ccacaagcgg acatccctaa taagggatta atgttatata 240

aatgggaccc caccgagagt agatgcggct tgccggccctt taatcacggc c 291

<210> 33078

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33078

gagagtaata tgtgcaccnc acaacnaaca ccgaccagaa ggggattatt tactttcaac 60

cggggaggag gaaaacccaa aggacccaaa gccaacgcga cagggaaccc gccaaaaaag 120

gagcgccacc caaaaaacca aagagaagaa aacacgaaca cgcgaaacca cgcaggggaa 180

aacaggagaa caggaagaag cggagaacgc acagacggaa aacccaaaaga ccagcgggaa 240

ctaaccagcc ggaagtggaa gaagggccgg caagaccgc g 281

<210> 33079

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33079

agnnggaatt attatctatt tacttnnact catnnatnta ttgattttat gtattatagg 60

agaacttaaa ataaacacgg ttgttacagt aatcaattac atatccatgg taatcgataa 120

ttactttgta aatcagttat aaaactgttt tgagcttctg gtaattgatt actagagagt 180

<210> 33082
 <211> 162
 <212> DNA
 <213> Glycine max

<400> 33082

agcttgtccc attaacacgg ggggggttttc ttgcgggggc gacccccctt tttaaaccctt 60
 cctgacggca aaatacgtta attttgtcaa taagctctct ggccgattgc tccttagtct 120
 ttgcagtgat gccccggctc aagctaatac cgacctttcc gc 162

<210> 33083
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 33083

agcgtctcga tatattacga gtctcgagtc aaacatccga gacaaaagtt attgtcgttt 60
 gaatttgctc acaggttcaa cattcaattt tgagcgtctc gttatatgac aggactcaat 120
 ctcacattct agtaaaaagt tattgtccgt ggaattggct tagagcttca acattcaata 180
 tcgagcgtgt cgatatatga tgggactcaa tcagacatcc gagtaaaaga tattggcgta 240
 gaattgcgta cagcttcaca 260

<210> 33084
 <211> 551
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33084

aaaggtggac ggaatgcgat agcancnccg cgacactcta caatacnnaa cactngagat 60
 canngaagcg cnngaanaagg agagacatcg ctgtctcatt ttgtcgacca tcagacgcgg 120
 caccctggga gatagtgtcg cggggagtc aagagacctt tngggaccgt canggtgggt 180
 gtgctaattg ccataacca cagctgtgac caatacccga cccaaccccg ggcataggct 240
 ggtcagttag aacctgtgat gtacctaaagc acgcgagctc ctngcagtca actgattaaa 300
 ggaacaaaga ccacaaagca cggaggcttg tgggtggctgg ccaactctga attttgtgtg 360
 atatgtggat tatggcctct ggtgatcgat accaaggggtg ggaatcaatt caacggctta 420

<210> 33087
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33087

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gggtnnnngn ggcgganagt ttgatcgatt tcctttacnt tgcacaatca atnaannaca   60
annnncncnn nnggnnagaa agngaggag caaggacgta ttacnattct tccangacaa  120
cnacacgcgg cggcgaggga tttctagatt gancccacca cttcacgatc aagcctcatt  180
tcaagttccc tgaccagaac atatgaagga tctacactcg cgagaggggt ggttgccaca  240
ttccagagac gatgcagttc ccgtttcata caccaaacgc ggaggacttc acatcgcggg  300
tattcgacag actcttacac ggctcacata gcataggtct ggtctgcgaa agagtttttc  360
tgtaaaactat gtgagttagc cacattcttc ctctttctta tcgatggccg gaggccccta  420
ctttatcaca actttccggt gggtttacct ttcccacatg gttcgaccg gagtattcgt  480
accacgggc tcgggatcga ctccccgcgc atttatctat gggctctgac ccaattgcga  540
ccactcagcc                                     550
  
```

<210> 33088
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33088

```

gcagaatttg tgatctatac ncttganac acaancnna ttaaacaacng agccnnggag   60
agaaagaaaag ttatttttcc actttgagcg aaacggggag gagatgggaa cttttctaata  120
actagaaaca atgatgggtcc catttcaatc taaagtaatc ctaagctatt catgtaacct  180
gtcctggggt gccagcaagn ggtgaaatct gtgaagtacc catattccac tgctatttag  240
actggtagcg agctgtggag ccgcaaacac actcgaattt ttgctaaggt gggcggcaat  300
ccataaatat attggagggt gttgttctat ttcatatga aacgagattc gagtagttgg  360
gctatatctc ggggtctacac ttctaagata tgattgggtc gtgatacttt cctaaaggta  420
atctatactg actgtaccaa acctccatca cttggccgag gggacttact cactcgtttt  480
aacataata aacg                                     494
  
```

<210> 33089
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33089

cagtagagcc tagacatgan acnacacnaa caaccnnggc gcgggggggg ggggtggtgn 60
ccactcccc cggggggggg gggaaaaacc acaccccccg ccgcgaacag aagcgagcga 120
acaaaacaga gcgcagggca aaccggacaa aaaagccgaa gcacgcaaac acggggagga 180
cgagcaagac agcaccagcg ggagaaacac aacaggggaag ggacagagaa cggcagacgc 240
gcggaaccca accacggcac accacagaga caggcccggc ggaaggggac aaaggcacgc 300
gagggccaca acagcagacc ccaccacgcc aaaccgcaag ggcgagaaga gggc 354

<210> 33090
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33090

agcttttggg atatatataa tgtgataact ntacctagtg gttttgtaaa gctcaaactg 60
tgaccaaaaa gcactggatg agaaataatg aanaacacca caactgocaa gggatttcat 120
accacctcat ctcatTTTTt tgctcccttc cttgtcacc aataaaaaata ataaaaatat 180
gatgtatggn tgaaaaataa tgttaattnt atctgttgag gtgatcattt ntcttttggg 240
gaggaagaag gaaatactct aaagaaacag gtaattntat tacatcttac aacaagaatg 300
cangtttccc attggtttat canaataatt ttctaattat tttataaata aaaacattat 360
tga 363

<210> 33091
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33091

gccagagtat gcatgattcg accatnatct cagctggaaa aaataaaggt tcgggttaag 60
atgtttttctc tccactctgn gngaagcgaa aggaaagacc atgttcgaac cttgagggaa 120
agtacatggg gataggttta tactatatct acggccaggt ggaccagttg gagtgcctaa 180
attttcctgg tttaaatgtt gcttctggta tgaaagctct gattttaaatt aggctgaatt 240
caaattatct gtttttttct ctttagaata ataatgttta gggctatata caagctccgt 300
accttatgga ctgagtgtga tccttatgaa ttcataataat gactgcgtgt gacttcttgc 360
tacaaagttg ctcactatct gatttcatca tgcncaa 397

<210> 33092
<211> 546
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33092

nntacggaaa gtcccgacng catgncgtct gcnatctcag cctntacgaa canaatggcc 60
tcattctttt ccaaatatgc tgggtgaatt ttgtacgcat caacaagaat caagcccagg 120
ctattgtgcc agcacatcat gggggcaaac acaccaaagt attatgatga tggatggctc 180
caattctcac aaaggtaaatt cattactttc caattgagcc tttcaaacta tcatgacatg 240
tagaagagaa tcaaggattt caagtcacaa aatgtcgaga actttttattn ntcaaacaat 300
taccattttc tttgacatat cctataattc anagaanaac atgcanattc gtacgtgcac 360
acaaaatnga ccgcaaatat taaactaaaa atccgacgaa actaacaaca ttaacaanat 420
aacacaacta acagattaac aanaccaaca aaactagcca aaccaagaa cacttcccc 480
cccccccat acttnaaca cacttngtc tcaatgtagc acaatttana gaataagaac 540
cattan 546

<210> 33093
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33093

ggatgtctag ctagagctca ccaaacacaa cgcagccgcc nngccaagag gagagagata 60

<213> Glycine max

<223> unsure at all n locations

<400> 33096

gcgacaacag cggagagggt tttgatatga taccgcgaca attatanacn accnnnnccc 60
 nnnagannng nctgctctga ggacaacacg ttttaactct cccccgcac gggcggatgg 120
 cattgccaga ttagatacgt cgagaacatc ttgnattgct tatggagtat gcttcaagcc 180
 gaagagggat taatagacaa ctgccctgct tctgaggtgg aaagaagtga nagccaggat 240
 cccccgagat cgatgacgtt gctaagataa atancgtgaa ataaagaatg gaaccaaata 300
 ctcattactg ctgaaagaac aacatgggga gaataaatct tgtccagaag ttatccttcc 360
 aaatcttggg ggaactcttc taatataaga aaccttggga ggaaaaccac aaccaagttg 420
 tctgattctg attttgtcat tcattcttgc aatcttgtgt atgttaatat ttaatchn 477

<210> 33097

<211> 493

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33097

nnccccgagc aggtccgaag tcnnccntnn atacancnca cgcagacann nccgaggcta 60
 caggagaggn gttagttttt ccgccgacca ccctcgcgg cgggactgga ccggaaacac 120
 accatagcca accgcgccac agggcatgcc gatcgaccg cataccgatc tagaacgatg 180
 ggtgatcaag atgagacaca gcatcagaag acagccgacg aggcngcgag aaacaacgaa 240
 aggccccacg acagtgcact gctaggaatg agagcacgca gcgcaaagac agggccacag 300
 cagccgttgt aaatgcagat gccgaatctg acgcacacac aatggggacc gcgcaccagt 360
 caccacaaat cgactaagct gcgaaagacc acatgcgccg atgcagcctc ccggcataca 420
 ccgacaggca ccgatggat gccgccacca ccgcaacaac ctggnacgaa gggccaatgg 480
 aaccacctg aac 493

<210> 33098

<211> 147

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 33098

gtttatatan gcacatatgt gagaaaaact aattgatata agaaactagc tagaagggaa 60
attagaaaag tgatcgatat agctgtgatt ttgtgtttgt atgtggccac atgagagaga 120
gagcaatgat gacattggag tcatcat 147

<210> 33099
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33099

cncaagcgag ttgatgantt catgacantc ttgnacacna catanacnca agctagccac 60
ccanatcgcc caggagagca cagctcgctt tgcatacntg gggttgcttcc tcacgaggca 120
gcggtctatt tgaggattat gtgaggaagg cccaacagtg ctctgtctgt tatgtgcacc 180
cacatgatca ctaacacacc cctgactact ntgagggaga actctttacc agagagtgca 240
cgcgctacaa atttgaaaca caactttatc gctttacaga tgttcagaac actgctgatg 300
attatatgat cgtatttgac tactgccgtt tctgacctca ctaagagcaa agagcgctcat 360
aacattgacg cgagctctga aattatatat gagcatcttt tggatttgat tgcgcatctc 420
ttaatataaa aaccctatgt ggtgccagct ctaaagacat acaagtgggtg tattacatag 480
accgcgatga gg 492

<210> 33100
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33100

agcttttcat attcttattt ggtggctnga attaccttac acatacaagg cttgatatag 60
ctcgtagtgt gagtgtagtt tcaagatatt tgcactctcc aactaagcaa cacttatgtg 120
caacaaggag ggttcttaag tatgttgcag gttcaatcaa acttggagta ctttatgaga 180
gtgtggataa tttcaagttg gttggctata gtgatagtga ttngtaggg ttcttagatg 240
ataganagag tacatcagat tntgtattca gtcttggctt gggagccatc acgtagagct 300

ccaagaagca agacacagtt gctttatcat catctanagt ngaatatgta g 351

<210> 33101
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33101

tgcattgtcc tttttgttat tgttgttact ntgactacga ttgctaaaag aacaaaatgc 60
 aatgagtaat gcgacaacga attaaacatg aatgcatgat aatgataagt tgttaaagta 120
 ttgaaaccac atagaaattt cagcanagac atagggttga atcacatctc attntcatta 180
 agagataata ttgtttatct tgtcaaagcc aaagcataaa taaatacaaa cgtcttagcg 240
 gttcctaatt atgtgggaca tcaactcgat catataaaga caataatcga aaagcccatg 300
 aacttcctca ggagccgagt atacatccgc cattgccttt gdtctggcta acagccttgg 360
 aagctcttga ctccattca gagtgaaagt gaacctatcc atccacttca taacttctc 419

<210> 33102
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33102

agcttgata tctgccactg gttcagctcc aacactaacc aacagcactg cttccatcac 60
 caaggcagct gcaaaaatga acaagagggg cagcttcttg tccattntcg gctctaacag 120
 agaatatcaa cagttcacca caacttggac gtaaagtagt gcctccacta aagatattgg 180
 tcacctttac aagataccaa agtggtgaaa taacgaagga tcaattagac aattaataaa 240
 cagcactaca ggagtgtntt ctttatatac gcaaacttga accaaagaca atngtgtatg 300
 tggcttggtt gtatgtaccg tgtgcatttt actaagatta tgctaagtgt ctgttgagtc 360
 aaaatatgca cctcgtgtaa tcgtgtctga catggacatt aacctatta acatttntgt 420
 cattcgcta ctcgattggg gtttcttaat gactataaca aa 462

<210> 33103
 <211> 240

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33103

taatccgagg cttactagtg ttgccttatg cnccttttggc nganaaacag tatgatattt 60
aatgatatgc tgatacttac agtcagaaca atgagaatga gatccttggt acgctntatc 120
ttccagacat ttattttccct ctctactatc cacgagacta ttgcactaaa gatggctcaa 180
gtaagttata ataagaaaca ctttcattgg ttccggatat cgctccacgg tttctttcta 240

<210> 33104
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33104

ttccctgttg tttctttgag aagctntctc aagaggcttc tttgagaagc tagatcctta 60
tctaccacaca cccttctatt aactaaatta acctccttga aaataattac ggataaaaaa 120
taacataaca aataatcaaa catcaaacat aattactaat atatatatat atatatatat 180
atatatatat atatatatat atatatatat atatatatat atatatatat acatatatca 240
gggtgtgaca actctcccac cctcttagaa atttcgccct tgagatatac cttactcaaa 300
caaggatggg tgagntctc gcacttgact ntctaattcc cacgtggcat cttcttctga 360
tgcaccttcc cagatcacct ngaccaacga natctctntc tctcttaggt gttgtgtcgc 420
ctattctcga ccctcaaagg caatgttata tatgtcatat n 461

<210> 33105
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33105

tatcgtaatc gattacacca gttattttga gacaatggct atgttatnta ggagtctctg 60
ctttaattga ttatcatgtg atataatcaa tcacttctct ttctataagt gtaacagaag 120
tgaacaagaa cactntagtc gattactttg agtatctaata caattacagt gttcttgaac 180

cgtttccagt ttttgaaaga acactttaat cgatgtaaaa gataatctaa tgcattactt 240
tattgaatta tttgaatgag ttaggatcac ttgccgatat tagttaaaga aaga 294

<210> 33106
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33106

agtctagtgc ttagtatgac ttcttgatac cagtgatcct aaattagtta gatgccaaact 60
gtaggcaatg taatgtacta cagttcctct taaattnttc tgctgtaagt tctatttgtg 120
ctaaatttat ttaggttatt tccaattgca tgtcagattt accccggatg cctcttgaga 180
tgagatatat agccatggac ttagttgttg agtctaacag agattatagc ctaatagaaa 240
accatataat ccatttcctt cggngttctg tgagaatntt ttntggtttg ggttcttgtc 300
caagtaaaag cgtataatta tagtttgctt tggagttcag aagatantag gaagatagta 360
ttatcttntt tctgaatttg ctatctcttc ttattcgata ggatttgggtg aacctacctt 420
catatatcca t 431

<210> 33107
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33107

aaaccagga aaagggtttt gaagtagcnt nttanactct angcctcatg tanaccatgg 60
atgaaggata atctaaagta gttattatta taattttttt acctaanttg ggggtggaaat 120
gaatatattc ctaatattaa ttccaaaacc attcaatata tatatatatg gttcaataaa 180
attgctcttg gaccacaatt tttggtaatt taaaaaaca tataatttga aataacttct 240
aatgggatat atngattcat atttcattaa gttactctta ggagaactga gatanaataa 300
taaaagtaaa tataatnnta ttctatatan tatatattag ataataaatt atatacaaag 360
tattattaga aaatgaatan atagatctaa atgggtataaa ggatatatac attcttngag 420
ataaaatcat ataaacacat ggtagagata tattgggttaa ttgcgatta tattattatt 480

508

agcttataaa tatctaaatt attatnntaa ataaatattt gtttgataga ttagatttaa	60
aaatataatt gtcaatgata ttntatatca ttntatgtta aaagagataa aaatntacat	120
gtaaattaag atattttnta tttatcaata tatntataac gaatgttcta aaattagaga	180
ttgaccactc aactaaagtt gattaacata gagataaaaag taagtgttat gtgtacattn	240
tttaagagcc atataagaat aaagtgaaat tgacat	276

aaaacagact	gcacgaggcta	ngatgatcca	ntcgaanaca	cacaagcccg	aantgaggaa	60
gngtagaagg	gtgagacatt	ctggctttat	ttcgttacca	catagctgnt	acctgaagat	120
atgntgcccg	tggtcaggat	acccttagcg	acctcagggtg	gtgttgctat	ttccacaacc	180
cagcgtagac	caatcccgac	caactcgggc	atagtcagtc	aatgagacac	tgtgatgttc	240
ctacacaggc	agctcctggc	agtcaacttt	ataaatgaac	agagaccaca	agccatgacg	300
cttgtgtggg	gctggccagc	tgtgaaactt	gattgctata	tgggatgtgg	cctctggtaa	360
tcagatacca	atggtggcga	atcgactaca	atgctttata	ttgtgaagac	atgaagctat	420
gatggcctct	gggtatcgac	taccactggg	tgaatcgatt	accaccctga	atatgngatc	480
atgaatctaa	gaaggcttct	ggnagccgat	cccaatgggt	agaatcatta	tcagggttagg	540
aatg						544

<210>	33110
<211>	285
<212>	DNA

<213> Glycine max

<400> 33110

agctaccaag ttttttagtta ttctctaaac tgcctaagcg agcgggaaaag tctataacaa 60
 cttccgttgc ccatcggttt ggggtgaaag tgggtgaaca aacaattaat gcccaacttc 120
 tccacaaagc ctccgaaacg catatatcaa gccgtagata ggatgcctaa tttaatggtg 180
 atgttttaag ggctctaaat cagatcaaat gcgcatgtc ccatctttta tggatcaaata 240
 cactggacaa cacaggactc atctatctct acccaacttt gctat 285

<210> 33111

<211> 627

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33111

ggggnnnccg caggtagttc atttttctat tgtacnnnt cnnnnanaaa attcatnnna 60
 cnnnacggn nanncacaan nnnngagcan ngaggggaaa aaagagagca nggacgnata 120
 nactttancg cnccananc accacacgan acncgggcca ggggggaaac cagcaccaaa 180
 gaaaacgaga accnccaaac aacgagaaaa acccgacgca aagaacgaga acacaagngc 240
 gccaccccg gagncaaaaa ggaaaaggga ccgngcaaaa ncacaaccaa gccccgggc 300
 gcgaaggagc acagcagcca cgaacaaaaa cacngcgacg cacaanagga caagcccgc 360
 caagaagagg acccgcgcca naggaacang cncagaagcc cgaagaaggc aannnccaag 420
 caggcccgac acacaaccag caccaancc ggacaagccg agncgaaacc naacgggccc 480
 gcaaanncag cacagaaccg cccagcaaaa anacgagcgg cagcacacaa cccggaccca 540
 ancagaccac gaannnaaag nganaggcgn cgggaccgag acgagcaccg gggncggcca 600
 cgacgacgca ggcangaccg cagccc 627

<210> 33112

<211> 337

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33112

atcgattacc aatggtttga aagtgtgtaa tgcattgcac atcatatgta atcggatacc 240
agagactctg aacgttggga attcacattg tatatgaagg gtcacagcta ttcacgacta 300
ataactgtgt aatcgattac actaattcta taatcgatta ccagag 346

<210> 33115
<211> 196
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33115

atgagaagct agagcttanc tacatacccc ctatagtagc taaactcacc cctatgccag 60
aaaacatgac aatataaaac aagtgcctac tacaaagact acttccaatg aatgtgagtt 120
tattgcaatt acacaatcac aaaatgggcc tcaaccttgg tgggggtttct ctctttgggtg 180
attcactcaa tatgga 196

<210> 33116
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33116

agcttgtaat attaattctc cttcagataa cctctcttag gtgagaggcc atgaatgggt 60
ntatatctaa cgcaccttgt aagcaaaaga atctccagtt tgaagtgtag acaatgcaca 120
aaccaattt actgtatcct anaatttact ntaattatga agaacgggtgg tgacaaggat 180
tgaattcttg accacttgggt cgtaaaatcc ttggtaagag ccaactcttc taaaagttta 240
agctcttagg tagagggtta ttcatttgta gcactaaatg atgtttataa gtcttattta 300
tgggtgcatat cgatgttgggt aactacatac cgaaaacttg atttggtgca nacattcttg 360
atta 364

<210> 33117
<211> 294
<212> DNA
<213> Glycine max
<400> 33117

acattactct tagagcaaga tggcgtataa cctcctccca taaatacaaa catcaatgta 60
aatttagagc aagcttatgc gcatatttcc ttactaacgt tctcttgac aagacattct 120
attaaccgaa aaaaatgcac ccatatacaa tcaaggcagc gtcgttacct agattatgta 180
cacgtactct caaagtgtat ttggtactta catcacacac atctccttgg ctgaattcac 240
atacatgcat actcagagca tgttggggta ccacaaattg cacatgtgca catc 294

<210> 33118
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33118

agctttttgc attttctaac gacaataact nttactcgg atgtgcgaat aagtcccgt 60
atatatcgag acgctcgtaa ttganaactg aagctctgag caaattcaaa cgacattaac 120
atttgactcg gatgtccgat tgcgtcccg aggatatcga gacgctccan attcagaacg 180
gaagctttga gaaaaatcta acgataataa cttttaactc ggatgtctga tcgagccctn 240
gtatatatca agatgctcga aattgacaac ggaagctcta agagaagtca tacgacaata 300
acttatgact tggatgtccg attgtgtccc gtacgatatc gagatgc 347

<210> 33119
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33119

gatggagaat acgattttcca tggcttttct gattttgggc tnggaccctt tgagtgtgaa 60
gntgaaacga gacaatgatn ggggactntc gaanacagag ttctttgatg aggttgga 120
tggactttat ttggatacag atgttgatga gtatgactaa cacanttaat tggatcttga 180
agaatccatg gtacccaact tcaattcatt tgtaaggaag gaatgtagcg atggtaacct 240
gaaaaatgca ttggttttgg ttgaagaaat gctttgttgg ggacaagaat tgctatttcc 300
tgaattntc aaattagtga gacaactttg ttcattctct tcacaaatca agtc 354

<210> 33120
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 33120

tttaattgaa ccaaaatatg tacgctttta ttattctttg tattgcaaat catggggata 60
 caatctttat tttgtaatgc cataaagcca cttgtatgtt cttcagtaga cattgaagta 120
 caggttctat ttttctcaca attttcattg aaaaaatcta ccgtttaaga tttacaatc 180
 attgattatt caatgagtaa aatcatctat ggagctaaga taatgtatat tgaaatatat 240
 aagttcaaca cttacagttc caatgattgg agtccaata ttaacaatta ttaaagtcaa 300
 atcacacaac tc 312

<210> 33121
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33121

ctcagctata caattataat aaaagaacaa tgacaatnga atattctata catgtttcct 60
 ttgatgagtc taatgccatt cttccaagga aggattttct aaatgatatt tcagattcct 120
 tagaagatac acatattcat ggaaatcatt ctaaagaaaa agacgaagga agaaatgagg 180
 attctcaaga taatggggct agaggaaata atgaacttcc aagagaatgg anagcctcaa 240
 gagatcatcc cctcgacaac attattggtg atatatcana aggggtaaca actagacact 300
 ctcttaaaga tttatgcaat aatattggctt ttgtatctat aattgaacct aaaaatataa 360
 tagaagtcac agtacatgat acatggatca 390

<210> 33122
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33122

agtatccttt atatgctttg tcttttattt ctctaaagta atgatcgaat atgccaaaat 60
 tatcctatgc gtagaaaaca tgtgatttct tctcaaaaaa ataaaatcac aggggttagct 120

cgcctaggcg agcataccct actcaaatta gttaaaaaag aggggggggag ggtgagtttc 180
 ttcacccaaa acttctccct ttcactcaag aatgccatca cccatgggac tggccatcct 240
 tcaactcctag ttcaccattc ttttgcgttt ccaatcccat tntgcattgt tgatcgcccc 300
 caacaagtaa gttcctcatt cttggtctct ct 332

<210> 33123
 <211> 218
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33123

gacacataga aactcacgct tcaagaaagg cccaactctc cttagaaatc atatntcatg 60
 tttaaataagg tggtctntgtt cgtgcttgtg cgcttagcgc aattctgaac cgcttagcgc 120
 gcattagtga attatggctt agtgtggctc ttctcgctca ggggatggac taaagcggtc 180
 tgtttagcgg gttgaccctt ctctcagcta atatgcac 218

<210> 33124
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33124

agcttggttc tttctactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa 60
 cgtcgaagaa cggtcgaata ccttcgcgaa attcctcacg gaaatgtttc ggaagcgcct 120
 cggcttagat tntcttcacg gaaacaattt ttccaagcaa attcgataga gcgagaagtg 180
 cctaaggggc tgaacccttt tccacttcac ttctccct atntatagca aaatagggga 240
 gatgcttgcc gccagctcg cccaggcgag canggttgct tccttcagaa caacagcctt 300
 ctggaggaat cttctggagg gcccaagt 328

<210> 33125
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 33125

ntcaccagat catataagat aaangcattc tttcatctgt tatatacct ccacaatgtc 60
aaattctctg cctatatatt caacctttcc atcactggca caggagtga tcttcctcca 120
tggtgcaata ttaaagttat attgtcatcc attcctcaca atcagaaacc acanacattg 180
ccatatatta tgaaataaaa aacctaactc atactcaaac ataagcacat cacacaacaa 240
catgcaatgt catctattaa aatagagcat catcaatgaa aat 283

<210> 33126

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33126

agcttcctct gtgtcatttc ctgcgaaggc aaacatttgg agagttagtt ntaccaagaa 60
atgctattct taaaacgaaa atggcatacg acctcccca ataacacaaa catcaatgta 120
aatttagagc gaactcatgc gcatacttcc tttcgaacat tcaactgcac cagatattct 180
tctaactaag aaaaatgcac ccaggcacia tcaaggcacc ttcgttacct agatcactta 240
tatgtacttn caaggtgtat ttgtaccta catcacatgc acttnccttg ctaaantnac 300
atacatgcat actcaaagca ttntggctac caaaaattgc atacgtgcac attctggtat 360
ttctaatacc tatacatata caaactntgt gatgaatctt ggctacctac acaat 415

<210> 33127

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33127

cgctntatgt gatgaacatt ggttaatggt tatgcatgaa gagtttattc aatttaagag 60
agatgatgta tgggatttag ctctaaacc aacctctcac aagtcaatcg gaaccaaag 120
ggtgtttcga aacaaaacttg atgaatctga catcacagta aagaataaag caagattggt 180
tgcaaaagga tacaaccaag aagaaggaat cggctatgat gaaacctatg ctctagctgc 240
aatgttagaa gctataagat tactactttc atttgcttgg attatgaatc tcagaacttt 300

ttagatggat gtaaaaaatg tcttccttca tagatgcatt gaagagaagt gtatgtagat 360
 caaccacttg gatttgtgca tatgacacat ctaccatgtc taaaaacaga caaaggctct 420
 tattgtttga agcagcacca aggccatgta taatagattg ccaattgtta attagataat 480
 ctn 483

<210> 33128
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33128

agcttgattc gtgttttgtt ttatctntag tancactttg gttattagtc gattcattca 60
 aggaaacgtc caaagaanaa cgtccgattg attnttttta ttattttatt caaacatatt 120
 ttgattattt tattattatt ttgccttttt ggatttaacc gaggttacag cgtgaacgat 180
 cggttagatt ntgctttaat agtgattaa cgacgttgca acacaaatga tcgngtgana 240
 ttcattntat cattttattag gtgagaaaca acttaaataa ac 282

<210> 33129
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33129

nnnnaagggg acgggaaggg atcccgcacgn cngacncata gacacncagc cggatgggtg 60
 cgcagccttt atggtcttgg cggaagtgtg ggttgaaatc acatttccat tcagaatagg 120
 cccacactt gccacgttgt ggttcaagtt attgatatta aatccggcta ttacttctc 180
 ttgggaagaa cgtggattca ttgcctggga gtgggccctt caatgcttca ccagaaattg 240
 aaattcgcaa tgggtggact tttagtata gtgtcnggtg aagaggacat gttaatgagc 300
 tgcccttctt cgcccatagc tagaagcggc ggagaatcat tggaacggct ttcaatcctt 360
 gaagtgtgac tgccctctgt ggaccaaatc gtctacttc tcttcaaagc gccatatggc 420
 gggcgtgtat gctaagaacg attgagcccg atgggttngc angactgcct cggatgcgac 480
 tggatcatatc aagaatcatc aatttg 506

<210> 33130
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33130

agcttgacag acctgcattt ttacaccgac cgagttacca ctcttgacac tagatgacac 60
 ttgtccatgc ttgggggctc gaccgactcg tcccccttct atttgtcatg ctacatgaca 120
 ctacgagaca cacatcaacc ctccatgtca gccttgatgc aagagcatga acgcctagcc 180
 catagcagcc cgactcccca actaacaagt tatctcctaac ctcttattat ntgaacataa 240
 tggcatccct ttatctcttt atgggtattc aattgtctat 280

<210> 33131
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33131

nnnnnngcgg ggnccggggn nnaaattccc cnanngatnn atngannann aacnncnacn 60
 ggagggagag agggatagag agagtgagag tggcattgaa attgaatgat aatacggaga 120
 gaaagtggac gtttgaagtg tgtctcacia gtttctcatt catcagagtt gtgacaagtg 180
 ttacacatgt ctctatttat agcctaagtc acttacctaa atgggaattt cattttcatt 240
 tcatgtgaat ctaaaggaat attncatgaa tatgccaaag gcatcttagc atattccctg 300
 taaatgccac aagcatggaa tgtgtgactc tagcacatgc gaagcttcct tgagatgcaa 360
 cgaaggtagc ttccttanga agcaaggaag aaagcttcct tgagaagcta gggggggggg 420
 gtggaggncn nnaactccnc ggaatacggg attgtagtat cgtctctcag cctggngggc 480
 taaatatgtg tgaatacttt tactccaatc ctctgttgg agaattcttc aaataatgta 540
 gtccg 545

<210> 33132
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33132

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ggcagatatg ctgcatgaac tganancaca acngaanaag gannngngaa gaganggana 60
ggatagggttc tcattaaccc ccacaggaag agggagggaac tacgaaccaac ccacaccccc 120
caaacaaacc gaacccaaag gggcgccgaa caacctgaga cccccacag agcagaaaca 180
ccgcgaccgg cggcccaagg gaaccaccac aagaaaagga ccccgccatc catgcacccc 240
acggccggac ccgcgacgtg aacaacccaaa agaagcctac tgacacatcg cggagaaaaga 300
aggacgcacc acaccgaagg aggccaaaaa gccccccaaa tgaggccggg agagaaaaga 360
gagccaccac cacgggcgag agcgcttaga aacacccaac gccgctacaa caaccgcgag 420
agcctacggc taccaccaca cccggctagg ggcaaggaag acgaccccca tataagacac 480
acgg 484
```

<210> 33133
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33133

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agcttagtan atctaatttc tatcacgtct ggcttaagac gttaaagaag cgctactaga 60
aggcaacctt naattggcta cgaagaagct ctctgcgaag cagtccagga aaggcaccat 120
tgaagagggt tctagtgtgg cccacaagc tgacacaggt tttgacaacc accgactcca 180
gagcgtggaa cattagtagc atttcgaggc cactgagggg tggtcattcc tcaggcagag 240
acaaaggcag ctaagggatg atgaatttcc agatttcctt ggaggaggcg gaaccataca 300
atcgaaatca ccaaacttgt gatttatect tcattactgc tttcaattat tctattattt 360
tggtatttcc tttgtgatat aacattatct gcttccaatt gttatgccca ttgtgattaa 420
actgaacatg cagttatctg 440
```

<210> 33134
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33134

agataatact gcttatcttg gcttgcccaa acatcttgga atacaaacgt gttaactgga 300
 actacttatg tgggacatcg actctatcat atggagaaaa tattctgtta tcccattaac 360
 tctctcaaga gccgaggata ccgctggcct gtctttggat agattctaac atcgaagact 420
 ggactccatg ctagtgaagc tatccatgat ccctagatac tgtacggcaa gaggtgtaga 480
 gatatacgat gctatgggtg ccaaccatct aatctgcctg gcttccg 527

<210> 33137
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 33137
 gattaaagat caatatgcaa ctgatgaatt agtagagtga cctctaatat tacttaagca 60
 tccttgcat aattgctgca aaccgcact tactgcctgc accttgatag aatatgaaga 120
 gataggactt tcaaaatgta ctaatagaga ttgtaattga acacaacaat ttctatgtat 180
 aagatgtgtg atacttagat gtgtatt 207

<210> 33138
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33138

agcttgagag ggtgttgggt gatggaaccc taaccctagt ggaattggga tcgagttgag 60
 gaggaagagg agagaganat tgaagccgaa agaaagagaa ggatgcgtcg tttgtatgtg 120
 tggtagcaac gaactccttt tactgagaat tgaggcaaca tcggaaatga agagaagaga 180
 aagaggtaga gagagggaag agaaagactc anagaagagg caaagagagg gaagacaaag 240
 aggcagagaa gagcagagag agggagaag catgaccagt gcgctgcccg atgcgagaaa 300
 gagaaaatca caataacaag aaaaagccta ttaacaactg taatgagaga gaaa 354

<210> 33139
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

acatgaagct ggattgcaac cgtactgatt acccgatgtg aatcagttcg atgcgcctgc 360
 tgggctgccg tagacgttta gagcggcaac tcgaaacttt gtctacatga actataacaa 420
 tgtccttcct ataacttaac tgttggggag gtcactgacc actacaacgt tggcactggg 480
 gacccacaat gatgtaacn 499

<210> 33142
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33142

agctttaacc tcattgtctc tcacagacnc tagagaaggg agcgggtgca ttccttgtgt 60
 ccggactctc aaccacttat gatagccgcc gatgatccca ttactgcttc cgactagctc 120
 tctgaccttt cttaacgccg cataccatgc cttgcgaact ccttggagta ccctagcatt 180
 gtggtcactg aaacctcgtg cgatgaaagg cgtgatgctt acgtctgatg gtgctcctct 240
 catgggacat tcttcgcatg aagatagaat cctga 275

<210> 33143
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33143

gnnccgctga taggaaaagc tgnangtacn nntagnanna tctgacacac tatacaccac 60
 tcaaccgncg tgatgaagag tagagggact catgtagttt ngataatgat tcacangacg 120
 acgaacagcc caaagagtga tttcaagatt gactcaaccc ctccaagatc aagtttaatt 180
 tcaagtttct tgaacagag atcacgaaga ttccagattc tagagacagt tgacttcaag 240
 attcaagaga agatgaattc cagttcagga gaagaaatcc caagactttc ccaggggacgt 300
 ttggaaagat tttcaaaaac aaccttgcc tgtcttggtt ccaaagaagt ttcttacatt 360
 ttttaactac agaagtttac tctctctatc catacccccg gcaagttggt ttctagcgtt 420
 caccggattg caccatccat cgattccaaa tgggtacctt tacagggttg ggatccgtcc 480
 ccgtgtttaa cttgatttca aacattggga gtgcct 516

<210> 33144
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33144

agcttgtaat gttacacagt cctacaaaac tccgaatgat cgttggtctt catattgtnt 60
tggtaacgca aaccgccctc tactacttca actactgttt gaggccactt gtcccataat 120
tttaaaacaa tatatatatt tgggttgaat ggttcatgct ataatagctt tcagaaattc 180
acccccctc ttaagttatt gaggccactt gtccaacaat tttaaacata tatatatata 240
tatatttggg ttgaatggc atgctatcat agctctcaa tattcttgaa aataatataa 300
ttggat 306

<210> 33145
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33145

ggggggccgg gggcctgnng nttcctgtnn caaaacttcc aatagcttgt gggccatctg 60
caagcatatt gttggttttn accacggacg tacttaagca aatggataca ctctccataa 120
tgaacatcat gatattacag cagctatcgc tatttcttac aacgtatctg ccagaaattt 180
ataaccgaaa atgcccgaat aaataaagca ctggacaca atattaccga ctacatgtgt 240
ttgtacttca taacacttcc tggctaatta atactcatct aaacgtttgg gacataatgc 300
ctccccattg tttatatctt catccccctg tgagatctga attaccaaac ggctattagc 360
ttttagaatc gtctagcgat gattaataaat tcttc 395

<210> 33146
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33146

cccacgtttt ggcgtcncga nccgactgan nacacanacc ncaacattgn caggagctcc 60
agcttgaccg cgcggtatca tttggcggtta gtccaggnac gccggggcgtc atttaaggac 120
ggacacacga atcgaaagac cnnaagaatc ccgcctgtcc nacttcacaa cagcgtaagt 180
atthttgcgcc cataccgcgg attgagtatg gcaccccaca atcgaacaag gtaaccacaa 240
attattcgca cacacctgga ccccggaac acgcggtcga tcattcatca atctcagccc 300
ccactggcgt atccaccaca agcctgaaac aaagttgatc gcaatccctc cggcatggga 360
ctaacgacga aagcgacct cctcccacgc gttttccggc tacacagacc tcaggcactg 420
ttcctcttgc acgtgtctcg gcctccccga gacgccagag cacaagctc ctcccgacac 480
ccggaggacc caacggaaaa catgagcgcc gacg 514

<210> 33147
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33147

agcttgtatt ttagtcctcg atcggnccatc tttcctggcc gacgccgact gtcatttttt 60
tcgatcaata tcggtgaata atattttttt gccgaggtgg gctaattgtt tctggccga 120
atgaatggga acatgccaat ttcggccgaa acgaaacatc gggtgagctc gcacgaaaaa 180
acctatccga cctacattgt aagtttttta tgcaacgccg aaacaagaaa acttcccctg 240
ccgtaggaaa aaacattatg ggcagcgagc gttattttta aataaaaaat tgcgcaatgt 300
cggctgaaaa atatcagtcg gggccatttc acgaccgatg tcggttattg tgttttctat 360
tcaatccctg aatgaaatat gcatgatgtc gatcccgaaa tgtntgat 408

<210> 33148
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33148

gagttagtta tgaatattan gactttacac tngatgttgg tgacactcct tctttctaca 60
catgtatgcc tttcatgtaa gcagaaaata angtgtaatg ctcatgatga aggcttatgg 120

gagaacattc ctatctgatt ggcatttaca taagtaatgc ttatgttatg gtatagttaa 180
catcattntg ttgcatatth acactctata ttaacttaat ttgtatagat gcaattgcc 240
ctaattgtgtt tattattnta tttgtatagg aacatggcta caccaccaag ctaccttcct 300
cctaatcncc agcttctata gagtctacct ctaggaggac taaacaatgt acacggctca 360
taag 364

<210> 33149
<211> 502
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33149

aggagggaaa cagtggctct gaatgctctg cctaaaaacc tngaaannac acagnaccag 60
gagangccgg accagncgac ccgacgcacg cgaaccacag gtttagttgc caatgcctac 120
cagccaacac aggggaggag cccgaggcac gcaaaataag accacaccag acttcntgag 180
aagaaccatc cgcaagacaa acgagagaca caaccgtgcc aaaaatccca caggagccac 240
agagtagacc gcacacaacc gcaaagggct gcaccagaac ccctcagaaa aaaagcaaaa 300
cccgggataa cgccccaccg catattcagg agcaagcccc tgcggaggag tagaacaac 360
caaagaagca cctccacca cacacgcaa gagcacagca agccagggaa aaccgacagg 420
cccgacacaa ggaccacaaa gagaagagcc atcagattaa cggagaaagg gacgcaccac 480
gcgacggcag gggaagaccc cg 502

<210> 33150
<211> 281
<212> DNA
<213> Glycine max
<400> 33150

gcgaatcctg cgctaaaggc gtgatcacga ccatacttgt taagcccaa aagtcgctt 60
aatacgaggt cgctgagct tacttaagcc tataagagga gtaggaagca cacgaaaaag 120
acacaccgag actaagagtt atctaaagaa tacatactat gtctgagcat cccaaataag 180
aaaaatcttt attctatggc aatcattccc gtcattcac tttattcatc taattcctta 240
atctattcac atgacctttt aaagtatgaa gcatgaccat g 281

<223> unsure at all n locations
<400> 33153

cggacgttna acgacgatga ctgangncan nnannngacc gggagcgaac gaggaccgac 60
cggacgaagc acttttcattt ctcaaccgca aacagaaagg gcggggcgca gaacaccaaa 120
cagaccccc agaggcaacg aaagggggag gaaccaacgg cggacgggga cacgccaaan 180
cacagaagcg acaagacaga ggagaaacgg caccgagaga aaacaacaag ccgagcagca 240
accacacaaa ataacacccc cacgcagcga agaagcgcg c tagcccgacg agagaccaaa 300
aaagccagcc gacggcgcac gtgtaaaaca agacaacgag caacaacgac aacacatgct 360
cagcaggaac ggaagcaaag aagaacacga gaaaaggacc ccgcgcctaa gaataaccaa 420
aacaacacga cggcccggcc aggcgacagg cgcaaggaaa ccgcggcn 468

<210> 33154
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33154

agcgacgacg tnttanagca tgcttgaaac tggaaaancc gccanaccgg ggtcccaaga 60
gctaacagcc gccgccactt ttttcttcgt tctggacaaa cagggggggg ggatgtcgga 120
aatccatata tctctagtca tctctcctc atagacgggtg atccatctc acacaagctc 180
tattgatgaa ccaccatcat gagactcgat ctctagaaat accctaacgg aaacgtctcg 240
ctctacactt gaagaccac accgctgatt tctcacgcat taaggtacaa actgccctag 300
catgtcatat gcttgacatt cgtagacta ctttctcact atgttagtta ctgtaacac 360
ctgtgctact aaactattgg cgggatggca aagtaaagg actgggcatc aatgaacact 420
ctacggaaca gttacttacc ataaccctca c 451

<210> 33155
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33155

caccttatct gggggagcct aattctaaat gtngtatttg tgctcggggn tatcattcgc 60
 tgaggggtga ttatatttat atatttatcc ctatacattn taaaattntc attnttattt 120
 ttattttttt atttctcaat ttataagtnt aagatgacat ttggtatttt attaatnta 180
 cttataatgt actaatgttg atacgactgt agagatatta ccaatcctta tttatttaac 240
 ttctccatga agattgtaat tatcaatcct tattacttta aatgcctatc agtccatttt 300
 cctttntgca aatttgaatt ttcgccattg gctaaaaact gtactagaat atgaatgaat 360
 gtgaattgat aatgggtgct agaaaacatt gtagtgcaga cagtagatgt ggcttggtag 420
 ctaaaagatt ggactatatg tatatat 447

<210> 33156
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33156

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 cccttattaa tggactacag cttaccttcc tctggagata gcttcctttg gagaaatttc 120
 cgttgagaaa gcnnttcctt gagaagaatt cctagagaag ctatgagctt atctacacac 180
 acctctctaa tagctaagct cacctccttg agaagagaag ctagagccta gctacacacc 240
 cctcataata gctaagctca ccctatgaca aaatanatga gaatacaaaa gaagtcccta 300
 ctacaaagac aactcaaaat gccctgaaat acaaggctaa aacagaatgg ccaaatacaa 360
 ggcccaaaag aaagaaaaac ctattcaaat atttacaag aagagtggat ccaaccttgg 420
 cccatggggt cagaaatcta ccttgg 446

<210> 33157
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33157

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 tcgagtcata ttcatagtcc tgatgctttc aatgttaatt tccttattgt ggtaatgctt 120

cttctgatga tgagatggct tttgatctga ggatgaatct tctccacccc aaaaggatc 180
 ctgcagtgca agattgagca nagttgtacc aaaaaagtca tccgtgtcca tattttaaca 240
 aaggagtaca ccttttccaa tggaaacgac cttctaagga gactgcattc cctactagca 300
 atgtgttgaa tgatattt 318

<210> 33158
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33158

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 agcagcaact tctataattc taaaaacaac gggaggggtg gaaagaaaat acacctattc 120
 ccataatcta gcagctcgca gcaactgaag ccttgccaca tataggatgc gaatcttcga 180
 gaatcctcac acaagttgcc taaaataaag gttacactga cccaacactt ataactccaa 240
 tggccaggaa tagacgccta ctattgaaag catagactag aagtaacaca atctccaagc 300
 tcacactgga gaatatgcat atgaactagc tcacttaaaa gactaaacca cttgaatatc 360
 cataacaaaa aagaccacc tgatcttate ctaatgaaag cn 402

<210> 33159
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 33159

agcttctgat ggtgccctat tgtgtgctgt tttttttttt agacaaattc ccttagcaat 60
 cccccaaatt aaggacttat cataacttga aacccttatg ctttcttaga accctaaaac 120
 aagggtcaagg atatcaaaat taagctcagg ggtttattca aacaaatcat tattactttt 180
 ggctcaacag ggggtgcaagg gataaattca tcacagggtta gctttttggc tgagtggcta 240
 aaataaaaaag aaacatggcc ttgatcatat ccaccttatg taaataatct aacagtctaa 300
 gaatgatgca aaattaataa tttaaaaaca gacgttctct cataattaat gtcacacagc 360
 tcaccgggac aagataaagt tatcggtta ccgaaccatg atctc 405

<210> 33160
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 33160

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 cgtctccctt tgccaaaaag aattcgacaa ggactaacca cctgaattct ttttgtgtct 120
 ctcttctccc ttttctaaaa gaacaaagga ctaatcgctt gaattctttt gtgtctccct 180
 tctccctttt caaagaattc aaaaagacac agtctgagaa ttcttttgat tcttcccttt 240
 cccttaaaca aaagatttca aaggactaac cgctgagat atcttttggt tccccttcat 300
 aaagattcaa tagactaacc cgctgagaac tttgtcttaa cacattggag ggtaca 356

<210> 33161
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 33161

ggtttgcatt cttggtttta caatctatat gcgtcggctt aagaggaata ttagatttat 60
 gttatctttt gtttatccaa tagtacttgc ttatagtatt aaaactttct tatacctttt 120
 tttttttctg taaacttata tatatatata tatatatata tatatatata tatatatcaa 180
 agtctattga gtgtgtggga cactctacaa ttattctcaa ctacatataa catgatcatt 240
 ttatgttcat tgaaaattgc gtcttaactt gattttcatg attgatgtta attatcactt 300
 aatatcttgt atagtataaa aaatatctac ttaaataaat tggcatgacc gttatgatcc 360
 ttttaaggaaa aaaaattgac cg 382

<210> 33162
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33162

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 atgcaaccgg ctgctatctc tttgtggaca caagagcgta gccggagtga accaaccgtg 120

ttgtaaaagg acttgcataat cttcttactt tttgccagta ggccgatctg ttgcattcct 180
 tcgtgaagac acatatcaat tttcttttatt agaacacatt atcctatccc actaaccctaa 240
 ataccaaaac ggaggcatgt aaccctacat ctattaaaaa aacgcagagg tgcctcatgg 300
 gacatcttac taccctggag gactactagc cgcaaactt caccagccat atcttaaagg 360
 taccggttta tgaacttcag actgatcagc aagacatata gaa 403

<210> 33163
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33163

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 ttcagaaaca agtcacttga agaattgtga cttttggaaa tgtatttttc gaaatcagtc 120
 actggtaatc gattaccatt gaggtgtaat tgattacaca tcaacatatg tgactcttca 180
 ttttgaattc tgaaaatctt aaagttttta aacactagta atcgattaca gctttgtaaa 240
 tcagtttgaa aaacaatgca agctactagt aatcgattac taccttctgg taatcgatta 300
 ccagagagta aaactctttg gtaaaagatt ntgtgaaaac ttcattgtgca actcaatgtt 360
 ttgaanaact ttntagtact tatcttgatn gactcttctc ttgattcttg aatcttgatc 420
 ttgat 425

<210> 33164
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 33164

atcgaaataa taaacctctc actcgcttac tatggattat tgctactaat aataatcgcc 60
 atctgtcacc atgaaatatt atcttaattg gatttgctcc atctgacttc atgccacatg 120
 tttatgcaag actctatttc gatgttgata atttataata tactaaaaga accaaagtcg 180
 agcatcttaa cttatatgaa tcatgacaat atgttattca ataatgcaat taatgaaata 240
 ctacatgtgt gactatcatt aaggaatatt ctcttattga taatatcact atgaagatgg 300
 catcatgtta tacataacat caatta 326

<210> 33165
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33165

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ataggttgga cctcccagaa gagtatggag tcagcaccac ttttaacatt tctgatttaa 120
ctccttttgc aggtggagct gatattgagg aggaggaact aacagatttg aggtcaaadc 180
ctcttcaagg ggaaggggat gatgcaatcc tccctatgaa gggaccaatc actagaacca 240
tgagcaagag gctccaagaa gattgggcta gagctgctga agaaagcctt atgggttctca 300
tgaaccttat ggtagatttc tgagcccatg ggccaaagtt ggggtccaatt atctttgtac 360
atattagact aggatgtcat tatatttggt ccttgtatat anggctccat att 413

<210> 33166
<211> 278
<212> DNA
<213> Glycine max

<400> 33166

tctcattcgt gaaagttaca acaagtgtta cacatgctta tatttataga ctaggtagct 60
gccttgagaa gctctcttga aagaacttcc ttgagaagct tctttgagaa aacttccttg 120
agaagctaga gcttatctac acacacctat ctaaaaacta agctcacctg ctggagaagc 180
tttcttgaga agctagagct tatctacaca caccgctcta ataactaagc tcacctactt 240
gagaagagaa gctagagctt aactagacac ccttataa 278

<210> 33167
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33167

agctnngtt atgttgcgcg tactgatggg tacaatgagg tgtgtgctgg ggtttgaccc 60
acgcgggtgt tgaagagacg gcatgggcat ctccttcctt cctttntgcc cgtgttgccc 120

cgattctttt ggcattcgcg nttgtggagg acacgtaatc aaactttcct cttttcaatc 180
 caacctcgat tctttccccc gcaaacacca gatccgcaaa gctggatggc atgtaaccca 240
 ctagcttctc atagtagaac actggcagag tgtctaccat catggtgatc atctctctct 300
 caaccatggg aggagctact tgtgccgcca aatccctcca tcgctgcgca tattctntaa 360
 aagtttcacc ctctttcttg aacatattct gcagttgagt acggtcagga gccatatca 419

<210> 33168
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33168

cttctttatc cccatatcaa ttatgcagct tgtagttaac atgaatggcc ctcccaatat 60
 tataggaatg tcattatctt cacagacatc cattaccaca aagtctatcg aaaagataaa 120
 atgtttactc tgaccaaacac atctttaatt actctgtatg gtctggtaat ggagcaatca 180
 acaagtnhta aagtcacact agtgggcatg atctccaact ctcccaacct tctgcacatg 240
 gagagtggca ttaagttaat attggctcct tggacagagt ggcatttgct gtaaagcttt 300
 ccaagggcat ggttatttcc agtttctga aatatctaan aatcttgcaa at 352

<210> 33169
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 33169

agcttggtgt atattatcta tatgctccag ctgacgggg agtggtgaat atcttttggg 60
 gcttctaaat tagatgtgta tgcacatta ctaaataatt ttttcttggt ttagaaggca 120
 acacacatag actagactac gctgtcacat agactatgct aggctgtctt ttcccccttt 180
 ctctctctta tgctgtgtac tctataaatt gtaagctgaa acatgaatat caagagtcac 240
 gtgagtgaat tttccttaca cttaaactca agtgtgaatt tgtgatgcct tgcttctgtg 300
 gatggcgccc tgagtttctg tatgatgggtg tttcttttaa tcccccttgc ctatatcctg 360
 ctattgtgtg tccatgaaga cagctgcctt tgcactacct act 403

<210> 33170
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33170

ccgtgatgtt ctcgtaagag cgaacagtga aatacaggat gaatccttgc ctccctcgggt 60
 agtttgagtt tgtatgagac ttggcccaca cgttcgatta tctgaaacgg cccaaagtat 120
 ctttttggtta gttttgggtg tattgaacca actacggtgc gttgccggaa gggacgaagc 180
 ttaacgtaga cccactggcc tatgctgaag gtgacgtcac ggcgcttggt atccgcgaat 240
 ttcttcatgg tgtcttgtgc cttttgaaaa cgatgttgta acttccggtg gatctcttga 300
 cgcgagtgtg gcatg 315

<210> 33171
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33171

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 gttaaaagtt atgacctttt gaatatctcg agagcttcca ttgttcaatt tcgagcgtct 120
 caatatatta tgcgcctgaa tctgacctcc gtgtggaaaag ttatgaccat ttgaatttct 180
 cgacagcttc cattgttcaa tttcgagcgt ctcgatatat tatgcgctg aatcggacct 240
 ccgagtgaag agttatgacc atttgaattt ctcgagagct tccggttggtc aatttcgagg 300
 gtctcgatat attatgtgcc tgaatcggac atccgagtga aaagttatga ccattttaat 360
 tgctcaagag ctccattga tcaattttgt acgtctcgat atattatgcg cctg 414

<210> 33172
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33172

cagcagaatt tagtaatgac ccaactaacct agaattatta tattctattg ccattaacct 60

anggaattaa aaaaaaaaaa acttaatggc tgagtgtaac tgaaatcgtg gcaacaaaaa 120
 gtcacccccca acaaccaaca agtcagccac catttggtct cccaaaaggc tgatgcctaa 180
 gttgccaaatt gggcccttat tacaactiga actaaaccta actaaagccc ttttaattga 240
 ttaacccaaa acatattttt ggtcaaccaa ctttacaagg attgggacat tatttagaca 300
 aactaaacac tctaacaatt gagacaaaagt ggtgtcattt aatcctcctt catatgggcc 360
 atgataacaac tcaca 375

<210> 33173
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33173

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 tggagcttga gctcactatt gctgccctat aaagcccctc aaaactttgc tttggtcgtg 120
 ttcttccttt cgggccttct tggtttctcg ttccaaggct tcagcgggtgg ccatattgac 180
 gtcccttagt tcatcatact cttttcagac tttgatggct atggacttga acttctcttc 240
 gactaccag gctctttcaa gctttgcctt tagggttgta cctcatcact ttcttcgaa 300
 gctttaacct cgtcatctct catagtctnt agatgtggga gccaatccaa tccttgtgtc 360
 cgggtctctta gccgcttatg 380

<210> 33174
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 33174

tcacatgtgg tactatgtgg tggtcgggcg atgggtgcaca acaagttgtc cacatccaca 60
 aagcgcgcac aaaccaccca tcccctgttg cccacctcca actgagctca cgtactccca 120
 cgtagcccat atcctttttt ctctcaaac cgggtcccca tcaatcctcc caagctttcc 180
 caacatcaaa gcaaaacaac attcaaacag cacaagctat cacagccaag caaaacagag 240
 cataggcaga atactctgcc aaaacaccaa ccaaatacaca gcttttctca cttaaagacc 300
 ccagtaacaa ttcttcgat ccaattcggg aaccgttgga tcgactcaaa attttactgg 360

aagtctataa tacat

375

<210> 33175
<211> 125
<212> DNA
<213> Glycine max

<400> 33175

ggggtttctc tacgcgcagt ggctttttac gggggcgcag gcagaagctc agtagcaggg 60
catgacgggg ggaggcgcca cgggctaagc agtgccggcg agcggggagg tggaagccgt 120
gaaag 125

<210> 33176
<211> 416
<212> DNA
<213> Glycine max

<400> 33176

agcttttatg attaaactaa gttaactaac ctacggttaa aaaaaataa aaacaacgtt 60
aaaggaagct tacttggtt gctgaaattg gatgcaaaga aagaagcaag gagaacaagc 120
aaagagttag agcacattgc agagaagaag caccaacgaa atgccaaaaa tgtagtttaa 180
aagcacaaat gaaaatgtaa ctgccaaagg cagctatgcc ttattgtttg aggtttcgaa 240
tgccttgctt agcgcatcaa ctgcgtaagc gagcatacat aacgtttaag attccaaaca 300
cacgcactta gcatgcaaac tcgcttagcc caatgaaaaa attcaaattt tccagagaag 360
actttgggct tatcgtgaag agtcgtcgct agcgaataat catgctcctt aaatgt 416

<210> 33177
<211> 117
<212> DNA
<213> Glycine max

<400> 33177
tcactgagct cacgtctccg cgtacccata tctcgttctc tcacaccggt cccatcaatc 60
tcccagcttc ccacattcaa gtatcgacat caacaacaca actatacagc caaaaac 117

<210> 33178
<211> 51

<210> 33181
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33181

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 tattgttagc atttttttct cgcgcattga ggtgccactt gagctaccag gtctctccac 120
 ctttgggcgt attctttgaa agatccgtgc ccctttttgc acatgttcta tagttgcatc 180
 ctatccataa ccatatcaaa attgtactga tactgcctaa cgaaggcaac cattatgtcc 240
 ttccaagaat ggactcggga aggttccaag ttagcgtact aggtaacagc taccggtgcc 300
 cctttttgca catgttctgt agttgcatcc tatccaaaac catatcanaa ttgtactgat 360
 act 363

<210> 33182
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 33182

cgccagtaga actggcagca tccatggcca ttactgattc ttcttacaat ttgtttaaaa 60
 acaaaccttg tttggtaaatt agttttttaa tgaagccccc tacagtaaatt ttgcctatct 120
 tgcctatctt aagacatcct tttcaactct acaggtaatc tgtcacacat gggtttatatt 180
 tattttctga gaattattca atctgcagcc aaccaattc aagaactaag caccatgaca 240
 aatttgctta aaatgtagta ttatatattgc ttttaattag atctgcttaa aacggcaata 300
 gttctaagat tattaataaaa tatc 324

<210> 33183
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33183

aaccaacgcn aactgatga ccagtangga cntnntagna nnaacanggcn naangngagc 60

tnggatccac gggatccgct agagtggacc tgcattgctt cttgtctcgn tgtattcaaa 120
gcacagaccc aagaggtgtg gtgctgtaac gacaatgtgg ccatagaaaa acaataacat 180
cataaacgac gatgtacttg ggacaatcaa tgcggaccaa tagtgctgac ccatgcttga 240
ctctttaaca aaatggtaac gtgataaata tcttacagta tagatgttac gtaaagaatt 300
gcatcgagca tgaataccca aactgaagag gatataagtg attgctaaac tcatagcctg 360
gaacgcgaaa ttctcttggt aaagaagacg cgattcttat tgaaagagcg ggccgattta 420
ttaatctgat cctgttctta atctatagac cagcactact caactgaccg catgaggtaa 480
tgcattcgagg aaatgctaag atatggaata cg 512

<210> 33184
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33184

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tagcgtcaag gaattgttgc accccggata caaaggcttc tttgagtcac cctgcaatct 120
ttcatacaca ggggcatgtg cttgctggaa agactcttgt ccaaggtcac gaatcatatc 180
ctccaagcga tgtcccatth ctacatcaaa cggtttggat tgttgccac tctgcatgtc 240
tgtcatttca ccatgccata tccacgtcgt ataatttctc ttaattccat cacacaacag 300
atgtctctgt atgtcatcca gtatttgtcg tcttccattc aaacaattga tgcaaggaca 360
ataatattnt ccatcttca 379

<210> 33185
<211> 270
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33185

agctcgtatt aaatatgtct ttaaaacact cncaatgaga aagtgaatct ttattccttt 60
attaatatat atgtgagggg taaagggtgt cacataggct tcttgatgaac gactttcctg 120
atgaatgaat agtgcataaa atcctgggtca ctatacccgat tatgtctgaa tctaagatat 180

cagcattgga tgattctaaa gacctgtcaa ccatcacctt gcgagaactc atatatgctc 240
 tacaagccca ggagcacaga ataatgatga 270

<210> 33186
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33186

acatttgggg ttgctatggc gctctataag tggattccca ttaagttagt atacaagatc 60
 atcttgcttg ccacaaactt cattntgggc aacaccaatc actatggcat caagaggccc 120
 aagaccggcc caatagagct caaactcgcc acagggaaaa ccccatatcc tgatgttggt 180
 caagttgcac acataaaatg tggtaacata aaggtataca caatatggct cacattaagt 240
 gactccattg ggtccttttt taccgacaaa tggttagacgt tagaatatta gttttt 296

<210> 33187
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33187

agcttaggtt cccattcttg tatctncaat gcaaggaaac atgcatatgg ctaggaatcc 60
 aaaatttggg tttagaatta gaanaacatg anaaattagg attttcttgt gagaattttt 120
 gctcgaattt gggctgcccc atgtttgata ctttacatag aggtagcgtg gaaaacacct 180
 tgcaatagtg tgtatacata ggtaaata aggagcatga aattcctagc aaagtgtgaa 240
 tgattatctt cctaaatgaa tgcattgatg caggaaattc ctttttgaat gcaaaagtgt 300
 gtgcataatg taaatagctt gccgatatga ataaatgtga atgaaacaat aaaaaanaaa 360
 tttgtatgat atatantca aacatatgt 389

<210> 33188
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33188

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agctntactt tatatttttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60
ttaacctagg gaattaaaac aaactaaatg actgagtgtg actgaaattg ttggcaacca 120
aaagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc 180
tangttgcca attggggccct tattacaact tgaactaaag cccttttagt tgattaaccc 240
aaaacatatt tttggtcagc caactttaca aggattgggc cattatttag acaactaaa 300
cactctaaaa ttgaaataaa gtggtgtcat ttagtcctcc atttgggcca tgatacaact 360
cacaaccttg gacttttctc cttgaaactt gggcttgat tcaaatagta tggacagcac 420
t 421

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<210> 33189
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33189

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ttcgagcgtc tcgatatatt acgagcctct ttcttacatc cgagtaaaaa gntatgggcc 120
gttggtattgg atcagagctt caacattcaa tttcgagcgt ctcgatatgt tacaggactc 180
aatcagacat cagagaaaaa agttatcgtc gtttgaattg gctcagagat tcaacattca 240
atttcgagcg ttcgatatg ttacggggact caatcagaca tccgagaana aaagtattgt 300
cgtttgaatt tgctcaaagc ttcacattca aattcgagcg ttcgatatg ttacggggact 360
ccatcagaca tccgaggtaa aagttattgt cgtttgaatt ggctcagagc ttcaaaattc 420
aaatttcgag cgtctcgata tggtagggga ctcaatcaga cttccgagta agaagttatt 480
gtcgttgaat tgg 493

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<210> 33190
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33190

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agctnngatt aagtgttgat gtctccaaga acatacttca tattgcatgg aaatagtata 60

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gccagtcgaa gaaaaaagg gttgcacttc taatctttta tgtttaagtg agttgagaga 120
 gtgagtgaca agtgtggggg ggaccaaaga tcatggagtg ttattgtcca caggattata 180
 agattctgca catctaattg gtattaaggg attttatgac aataagctaa ttaacatatg 240
 taatcatgta agttacctag atcaacatgt catttaaatt aatcatgcac aatgttaatt 300
 tacacagcgt gaatttatat cgtcctatct ttcatagtgt aaaaaataaa ttctaataaa 360
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<210> 33191
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33191

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 gcccctcctt atggcattga cttcccaaca cacagacca ctggacgctt ctctaacggc 180
 cttaacatcc ccgacataat cagtatgact ttgtgacatg ttagaaaatt agtagaatgg 240
 attagtgact aaatttagtg acgaaaaatt gggtattcct cactaactct aaaatcacta 300
 aatttagtga catttttaaa tataaaaaaa ttacatataa atttttcagt cactacattt 360
 aatttttata caagttataa gaatgtttgt ttggttctag tctcccattt gcatgcatg 419

<210> 33192
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33192

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 agactaagta gtacgtgcat aaagtccttt aaggggttga ggtttgctcag cagaaaataa 180
 gcacgaaaga atctgggaat tgtctcagct gttttgaatg ggacagcaac gaggaggaaa 240
 ctaagaatta aatatggttt gaagctccga tcgctctatc cattaaaagt ggaatgtgca 300

attagacata tggctctgagt atgtctggga attgattgag taattaaaga agatgcatgt 360
taattactat gttgtccatt ctaanatgaa tattaattaa ta 402

<210> 33193
<211> 118
<212> DNA
<213> Glycine max

<400> 33193

ctttgggatac attcttacga gatcattacc gtggaactcg tgaaggcaac tgggtgggct 60
tatctatcct tgtctggagc caatcctaca tcactacaaa gttctttctg tatccact 118

<210> 33194
<211> 342
<212> DNA
<213> Glycine max

<400> 33194

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ttataaaagt gtttgaaagg cacaaatgca tggccaagag agtttctatc ttaacaaaaa 120
cttttcacaa gcattttact ctctggtaat cgattaccag atgttgtaat cgattaccag 180
tggccacaaa gctttctgga aatgttttcc aagttatttt cgaagttttc aaagctctta 240
tccattacca atgcttttaa acagctaaaa atgattttgt aagtgtcgaa tcgattacac 300
atcatatata atcgattacc atagcttttg aacattgcac at 342

<210> 33195
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33195

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gcgcacacata tatcaagacg ctctgaattg anaaccggaa gctctcacia aattcaaagt 120
gtcataacct gtcacacgga agtctgattc aggcgcagta tatatcgaaa catttgtaat 180
tgaaaaaaga acgcactcga gaaattcgaa tggtcataac tttgtcaacg gatgtccgat 240

acacgcgcat aatatacga gacgctggaa attgacatcg tatgctctca agagattcat 300
atggtcataa cttatcacac ggtagtccga ttctgggtgca taacatattg agactcttaa 360
aattgaac 368

<210> 33196
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33196

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atcttcattt agcatgcctt tgttttgcca attgcgtaca ttttcatcat ttgcatgcta 180
tgtttactca tgcattgatc tgacacatat ttgctcatgc cttgcatnt ctgcaaaaaa 240
aaaaaacaga aaaaacgaaa acaaaaaaga acaaaaagaa agtcacaatg aagcatgaaa 300
gtttacacca cattcttagt taaatgtgtt gggtagcatg atgatagcta taaaccaacc 360
atgttgggat tataactca tttctcttan naaatgattg anaatcatgt gaacat 416

<210> 33197
<211> 332
<212> DNA
<213> Glycine max

<400> 33197

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ttgaaatcag tcaactgggaa tcgattacca ttaagggtgta attgattaca catcaacaga 120
tgtgacttca ttttgaattt tgaaaattaa aacgttttaa gactctggta atcgattaca 180
agtgttgtgt aatcgattac acaagtttaa aatgatttaa aactgggtta cacaagttgt 240
aactcttgga atttgaaatc ttaacattat aaaacactgg taatcgatta ctaccttctg 300
gtaatcgatt tcagagagta aaactctttg gt 332

<210> 33198
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33198

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 ctccaacgca acaggtgctt gtcacggtaa agccctgggg cattccattg atcattgtac 180
 ggcgtctgaa tcgtaaagtg caaggtctaa ttgataccgg gcaggcagat aatcgaggag 240
 aatcgcttgt tgaattctaa cattcacaag caacacctta catggggcaa ttcttgaact 300
 agtgacatga ctcatcacga ctagcacgta tatgcctaaa cca 343

<210> 33199
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 33199
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 caacatcttt caatcaatct ttcaatatct tttctataga attttctaatt tcatttctct 180
 tcattctttct aaaagttttt tatcaacact ttctcttcca agaaaagttc ttgtttcaaa 240
 aacttgtgct attcatcttt ttcatctctt tctccctttg ccaaaagaac gaaagactaa 300
 ctgcttgaat tcttttgtgt ttctcttctc ccttacaaaa gattcaaagg actaacggcc 360
 tgagaattct ttgattctt ccccttccct taagcaaaa 399

<210> 33200
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 33200
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 tattacatgg tttttgaatg aatttaattg aacttaaatg tatggggatt atgaaattgc 120
 tacaattgga ttctacagct atatgttagg aaattcacat ttttaaggat tgatcacgtg 180
 tgaaagttac gattcataat gtggaatgcc ttacaaagct tatggaacta ctaggtgggt 240

tcctaagtgt atttgttaaa aaatggcgaa tatataacat aaaggggaac ttgtggtatt 300
aaagctgatt gaatgtatac atgcatacat gacattac 338

<210> 33201
<211> 407
<212> DNA
<213> Glycine max

<400> 33201

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gtcgtgacgt tgggctgagg caatgtgctg ggtgccggtc ttttgaggat cgggggatag 120
aactcgacat cccttcgagc atagtcttga gggctcttct ggacctcgtc gggctgttgg 180
ggaggctctc tttcaaggac aggagaagca atatggcccg catcgtcttg catgacagga 240
ggtgagtagt tgggcggcaa tccataaggg taagccgctc ggttgtatcc cagatgaggg 300
ttgccatcat gcccagcgt gttccttccc cctcctacta tgtttgaggg aggatggcgc 360
gcggttgcca agagagttgg gtctgctttg gcagccgaac tgacagc 407

<210> 33202
<211> 309
<212> DNA
<213> Glycine max

<400> 33202

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ttaacaagag tttttcagaa caaaaaagtc ttatcctctt ataaagcaaa atcgggtttat 180
cctcttacia attccttggc caaaacactt gtgattcaat aaggaattat ttgagtgtct 240
aaattgttca atctatctct ttcaagagag atttcttctt ctcttcttct ttattctgaa 300
aagggatta 309

<210> 33203
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33203

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 gtgtgaaaaga gatgcancat gagatggatg ctttggagca gcagttacag atgggtgttga 180
 tgaatactga tgtnttggaa ggggtggttga tggataatca ggggaagaag atggccgggtt 240
 tggagaatcc cgaggatgct tttgagtgtg cggatgtgct ctccaagcat atgcttgact 300
 gtactgctgc tgatttggcg attgaggaca cgctt 335

<210> 33204
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33204

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 ccgggggcttt ggggcttcat atatataatt tactcttttag anangcaaag ngncnttgga 120
 aagttcgtag tctttgtgct agctctcaag acacgtgggt tcaacggtga tgagactttt 180
 ttttttcttt tttgcangct ggcaagataa gacgaaaaga aaaaacgccc cnttcttaga 240
 tcttttgcag aaattgcatt gcaaattaaa taaatccctc tttgtttcca ttaagaaaat 300
 cttacagtga agaaaagttg aaacatttct cattgggtaa gcataatgct gatgctggaa 360
 gtgatcacta cttcaattac cgaacaacct atccaactaa aaatcttgtg aacatgatat 420
 gaggttatat aaaacatatt tcaatactgc gcagttcagt attgcttgag taccaaattt 480
 accctcggat tatatgataa ccaatatcat ggtctgagaa tgaaaag 527

<210> 33205
 <211> 318
 <212> DNA
 <213> Glycine max
 <400> 33205

ataaatagtt gtaaagtgat tggcttggtt gggcaccact tgtgctaaat taagcgttat 60
 taataaatca tttgcctttt aaaaaaaaaat taaacttcac caggaattga aatcatgcaa 120
 gtcggtgaca attagagcat ctaacatatc aatggcgaca atatttgtac tcccttgctt 180

caaataaag gaaaaaatat attctcttaa tctcaaata aaaaaataac tgatttcaca 240
 ctattaaata gcactatccc tctcgaacat ctttgatcta attgatgtcc taattacaat 300
 aactatactt tatcatta 318

<210> 33206
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33206

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 aatgtttgaa aagcatgtat gaaaatgatg aaacttttgg agaaattttt aaaattgtga 120
 aaattcttca gaaaatgggt tcttttagaca tgaaggcttt cttttcaaag aaaaaaatt 180
 gtgtgtgcct aaatgttcta ctagaaattt gcttgtttgt gaagcacatg aagganggtt 240
 aatggngcat tntgggggtcc aaaagaactc tagaaaatta caagaacatt tt 292

<210> 33207
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33207

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 ctaggctatt tgaattcttt agttcctgaa tgtacaacct tcanattggt gctcgttccc 120
 ctctttattt tctggcaaaa ataaaatcaa tatcaaagaa aacagagaat tgtcatgggt 180
 attattactc gaaccagaag gaataacatc taaacaagtc attntattct tagaatgtga 240
 aaactctgca tatttatgga gaacatggng tatggaggca cgtaagtatg tgaataccac 300
 aagtcattnt ctccaattca agggattgat taattgctct aggaaaaaaa catacatctg 360
 gtatattggt tggtttgcag ctgtttggag catttgga 398

<210> 33208
 <211> 225
 <212> DNA
 <213> Glycine max

ccaagaaact tacgagttgt tattctcact ttcgtattag tatttgcacc catactttc 299

<210> 33211
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33211

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 gcgactggtc cttttcttcc cttegcaact tgagttcatt attgctaccc catagagctc 120
 cgcgaaattt gttccggcca tactcttctt tgtgagccct cttgggtctct tgttcaaggg 180
 ctcttgcggt aattgcatte tcttcccgtt acccggcaca ctcttccga acgtgtgtag 240
 cagecaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300
 ggacttcttc gtctcttcc ggtgcttcaa aattctcttc gctgacgact nttaacttgg 360
 cgagccaatc taaacctcgt atgcgaactt tcagccattc gt 402

<210> 33212
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33212

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 ntgaggggtg cgtagcccca cccatcttnn ttcatagtag aagtatctta tatatgtgtt 120
 cntacncatc acgaantatt cgtcgtcgcc tttttctatc tattgnnggg gtacnncaca 180
 nntgggcccc gccagaaat ccttccacn ccttttanag cnngtgnnnt ctttgaaaag 240
 atcacgcttc cccctcttcc ttgcaaattg ttctatatat tgcattccta ttccggaacc 300
 catatcaaaa tatgtactga tacttgcta accaaaggca accatatagg tctcttccaa 360
 gaatggactc cggaagattc caagttagtg taccacgtaa cagctacccc agtaagactt 420
 tcttggaagg aatgtattac acattctcat cttttgcgta ttccccatc ttctgacaat 480
 acatctttat atggttcgtt gggaaaagaa gtcccccttt tccttgtaa ggtcccagca 540
 ccttggacct tgggaggggt gatgatattg tgggtctaggn 580

<210> 33213
<211> 276
<212> DNA
<213> Glycine max

<400> 33213

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agcgacttgc aggtcttagt ttctctgaag gcttgctcat gccacacat tcaactcact 120
tgcaggaatt tccggatcat gccaatgtc ttctgtctaa agatgatggg cccaaccttt 180
agacatggat gctgtacttg atagcattaa gaaactgtca tcatgtggac tcatcgagc 240
aggaggagtc atcttaaaaa aatcaaata gccact 276

<210> 33214
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33214

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atgggaagcc tcgggaaaat ggacagaagg agaacgagg aggaacccat gctgtgactg 120
tcgttcttag atggccaaat tccccactaa ctcaacaata tcaataatca ggccaatata 180
aacccttctc attaccacc acctatcaac caacaatgct ctataagtcc acaaatgcta 240
cccctagatc agccactaga cccacctgcc acacata 277

<210> 33215
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33215

aggannagag cncaggtga ctgatncctg aaaaactgna nnacnggnaa tnggcaaaga 60
ccnncananc gaccngcagg cngcaagcnn gntttgnant tttgtnaaca cccacacnc 120
cgggggcagg gagagattca aacaccacc caccgcccga aacaagnaca aagttnggaa 180
gacaccacca tcacaaaggg aagataacgc caggagagc ccacaaggac caccgcgga 240

agcccgaaaa aagggaaca acgaaccag agagaagccc cagaaaaaaa tgcgaaagcc 300
 aaaagcccct gcaaggaaaa cgagcccaca caaccacgga aacgagcagc agcggaagc 360
 acaaataaaa tcaatcaaaa ggaaaaacga aaatacaaaa gagatggagg gccagccaa 420
 aaagctgggc cacagggaga caaagaaaca gaacgaaaaa caactggcag gcccgccaa 480
 gact 485

<210> 33216
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33216

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 tacgagtgtg acttcgaaaa ttcaggtttg ggtggacttc tttctctctt aaatttcgtg 120
 ggtatggggg tttgggagat atgatagggt ggtttgttag atttctgctg tgtaatgatt 180
 atttgtgaag gaacttggtt aaagcttggt gaaattgcc tgtttggatg agttagacat 240
 acccattctg ttttaggggt ttgtgatgat gtttatatgc tgaaattgcc tatggaaact 300
 gtt 303

<210> 33217
 <211> 636
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33217

tgannttcat accncncgc nnnccgggga gtaacggatt cacnacnnat ngncnacncc 60
 anggnnga atgnagctcg gtacgccggt gatccatcta gaagtcgacc gtgcagcgcc 120
 agtgcaagct ttgtacttat gtctgtatga gcaatntnca atgaacgttg catgaaggga 180
 ttnttatctt catcaacagc gcatntcatc atattaacac tatagggtcc cttcactaga 240
 gtctatcgat ttcaaagaat gtngcatcgt gaactagtct gataacatgt ctgctttctt 300
 aaatattgac attttgacat gtttagcgaca atagcaaata gataatgtga gagcaaataa 360
 cagtcttcac ttaattgaat gttcataaga ttcgagtaca tgacatatct attatatgag 420

gtacttgcaa gcttgtaaca tgcgtgcata tcgtgagcta aaatgactta tctatatctt 480
 gtttatacaa taatagatta taacacgcat ttctttggaa ttttgtatga tagcatctct 540
 gtacaaaagta acgatcgatc cagtactcca gaatgaatgt gtggccttata cgtgggggcat 600
 acattcttac gaacatgagg tntggaaggt gttctg 636

<210> 33218
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33218

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 agagctaaat tctccaatgg tcatcctcca attgcaactt tggtaatat caagaaaaat 120
 attatgtagt aattgatttg agaaacatct atanaaataa agtcagttga aagattagag 180
 ataaatttag atttgtacct tgattgttga taatctcctt tgctcatgta aaatgccacc 240
 cactaagaat actcatgtat gctgccanac atgnntaggt ctattgatac ggtagaagaat 300
 caacattgtt acaaataact ttctgaggta atgacttga 339

<210> 33219
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33219

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 taccttatga ccagaagtgg tacatcaaac cacaaagaag gtcaagttta tccaagaaaa 120
 gatgacgact gctcanagta tgcagaaaag ttatcatgat aagatgatga atgatcttga 180
 attcgagggt ggtgatcatg tattcttgag agtcactccc tggactgggg tttgtcgagc 240
 attgaaatcc cgaaaactaa cacctcgctt tattggtcca tttcaaattc ttaagagaag 300
 ttgccctgtg gcataccaaa ttgcattacc ccgtcttttt ctatcttcac aatgtctatc 360
 atgntgtctc aactcataag tatatccctg atccatccca tgtgattgaa tt 412

<210> 33220

<211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33220

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 tcaagagttt gatgaaacta atatttgaca aaaagctcca agtcgggagc ttttgtgant 120
 acaagatgat gatctcagaa tcaagaatga gntcagatga atcaagacac ttcaggttca 180
 aagganattg attcagaatc agaatcagtt tcagattcag tccaagatca gatcagattc 240
 agatcagaga gactcatcag atagttttaa aagttttcaa actggcagcc atgattttctc 300
 aaactttcca agagtttact cttagtatcg atccagatat gtatcatacc agtacaaatg 360
 tttcaaataga cttacacgtg aatcgaaaac atctcggaga ttaagcg 407

<210> 33221
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 33221

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 atgcttttga ttgagcgaaa tccatgcttg ggtgctaaat atttgaaaaa tttgatgtac 180
 ctctgttttg cttaactaaa ttgggtgttg ttgccaattc ctattacatg ctcattaatg 240
 gtgattatgt ttttaccatt caaaatctat gtttttctga tatatctatt ctttctcctt 300
 ggctctacta tataaacaag tgtgggtaaa caactaatca caccactcac atctctctca 360
 atttactctc tctcttgcc tctctggaac 390

<210> 33222
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 33222

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 gtcattgtct tgtgaagatc ctaataagca tcttaaggag ttccatattg tttgttccac 120

catgaagccc cctgatgtcc aacaagatca tatctttcta aaggcttttc ctcattctct 180
agacggagtg gccaaagatt ggctctacta ccttgctccc aggtccattt tcagctggga 240
tgaccttaag aggggtgttct tggagaaatt attccgt 277

<210> 33223
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33223

ggagagacgg cccctgatca tgctatntct gtanccccgn atnngcanga ccggganctt 60
aagaggggtga gcagnttttg ngtgnntgna ggnnnaanag gnngagnaat tttaaaannn 120
aacccccac gcggggcaaa aaacgaaacc gcaccgncaa aaaggaaaaa ggaaaaagaa 180
cacacaaaca cgcagaggca agacaaagac aaccacaaaa cgagaaaacg aacagcaagc 240
aaagaaagga aagcgacgaa aggaagagga acaaacacac cagggcgccg anaaaaagaa 300
agagaggagg accaccagac aaaaaacaca aagaaccacc aagagcggga acggaaaacc 360
aaccacggga ccacacacaa caacaccacg aagacaaacg agaaagaaga cg 412

<210> 33224
<211> 410
<212> DNA
<213> Glycine max

<400> 33224

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gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccatctaa gctcacgtac tcccatgtag cccatattct catttctctc aacaccgggt 180
ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aactgcacaa 240
gctatcacag ccaagcaaaa cagagcatag gcagaaaact ttgccaaaac accaaccaaa 300
tcacagcttt tctcacttaa agaccccagt aacaattcct tcgttctggt tcattaaccg 360
ttggatcgaa ctcgaaaatt tactggaagt ctctaatact taagcctaca 410

<210> 33225

[illegible]

ggcggtgctc tgcccgatga tccgaaagac gaagttgttc ttggaacgcg ggatccaccg 60
accacacagct actacgctgc gggaacctcc ccataggacc acaactagaa tcaagattac 120
tactaaggcc agccatgatt acgacggtct taccgactgg aggtaggcct gcccatccga 180
cgctaataca gtggacgtac tc 202

<400> 33229

acaaatcaat	goggagacat	ttttgtccat	gcaaattcgc	tcactttcta	taagcttctg	60
cttattagt	cacagctcct	tcaataattt	accatatctt	ggaatttgct	ttattgcac	120
caacaggagg	atgtttacct	ctacttttct	aaatgtttcc	aagatctctt	tctctgccta	180
ttacacattt	ttgttgggaa	ctgctcctgg	aaggaatgga	agatggatgt	gctgcttctg	240
ccaatctcaa	ttaccacggg	cagaagattc	acctgca			277

<400> 33230

13837

<210> 33231
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 33231

ctgggatctc aatcaggtct ggggagtatt taaggtcaca tatctttata ttcacaaaat 60
 tctgtaacaa gaaaaaacca tcacaatgtt cagaaattat taagatgcta atcacggccc 120
 taactaaaag aaaaatctaa tcattcagat gagaaaagg tgaatagtta aacatagaag 180
 aatcgtatat cgtgcattag tatacacatt gttagctgaa ttatacattt cctaaggggac 240
 tatgtgatat agacc 255

<210> 33232
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33232

cccaaggcgg agttgttgat ttttgacaca nnatttggn ngggcgcgaa agcgacgggg 60
 cggcagggca gtttaattgct acacgagccg aacacggggg ggtacgaacn naaaacaaac 120
 accggacacg gagagccaac caccagagg gagcgccgc agagaggaga agacagggcc 180
 ggacgagaac cgcaacacgc aagaaaagcg gcaaaacaca cgaaacaggg cggccacacg 240
 agacgcagac gggaaaaaag cgcagacccg gcgagaaaaa ggggaaagac gcgaacagaa 300
 gcagggcagg cggagacacg aaggaaggaa caagcgcaac gaccggcgac gagggacgca 360
 agtgggaaag acaagan 377

<210> 33233
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33233

naaaactgtt ttaccccagg gatcggnagn acganacnnn nnnnttnggn nanacaaccc 60
 cggccangga ncagnaggga taaattgtcc aaacanctaa gtcanattat gaggaaaatg 120

ctaagacagg caggtgcggg catgtgtaaa aagtcggata tgacatgatg cctttanatg 180
tagaaatagt tcaattatgt ccaaaaccga aagatgagtc ttttaagcatt gatgcctagt 240
ctgaataatt caacattgta tcaggactga ttttactaa taacttaccg cttgtaacgg 300
aatatatgta ggtgttgatt attctaacac acatgtgaac attagtgtac aaatggattg 360
tgactacgaa gagtagacag agcttctttg cctgtgaatt aaaagtgcac tcccaccaag 420
cgtaaacgga ggccttgaac aataccttct gtgatacaac cgactctaaa gtcatacac 479

<210> 33234
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33234

ngccaagcag aagcgggtgt tgaccgatcg tctgcannac acnnaanttn gnancgggga 60
tgcggtgnat tgaactgcaa gcatgcgaag cgcgattttc tttcttacct tccttagcct 120
cggagagcga gggcgacaac catcagtgtg cccatctcca cttttggatg ctcagtgtac 180
gtaacagagt gccggcgacc atccttgaga aagagcttaa ggactacacg aacctatcaa 240
cgaatcctga ggttcataat gatgtgtatg ttgagcgaaa acaccagcta gcgcctatg 300
gtectacct tgcttctctc ccaagaccac tgtatataga cgcatcacct aactaacac 360
catcgatatc accgaactct ccaagaccat gatcaggacg ggtagcact atgtggaaag 420
tgatgtgtag tcgtaaggtc atggatcatgc taccatgagt caaaaaagtg ctgccttgta 480
tgatcattac tattggataa gggg 504

<210> 33235
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33235

acggggctcc acttcttgct ctctccttca ataatgatac cctctanagc tccacaaatt 60
gtcatcatt tgtaccccaa attgcaaaag gaaccattc tctgagtcgt gaagcacacc 120
tctacgttgt ggggcttcaa atctcaggaa tgggtggaat gcttctacat gaatctcgtg 180

ggacttgagg tatagggaga tatgacgcgt agtgctacta cgtttatgcc tta 233

<210> 33236
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33236

gcaccggggt gatgatcctg anctcgaatt tagtagtaca acnccncgna ggggagggcgg 60
aactttcttt acctgttgac acacggggggg ggtgggttta taaccaccca cccaccatg 120
aagatgccag gtggacggct cgcttccac gacgctgagt gtggaacaga cctagtagag 180
cgaagcgtag ctacaagggt ggggacaaga ccaaaggaag gaaccactcg tggtagcgg 240
tgggacgccg tcgcggggta agaggaatga gtggatcgct ggaaggacgg aactcctaac 300
taggcaccgg gcgcgtgtac ggacc 325

<210> 33237
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33237

agcagagaga cgagcgnttt gttgcattct ttganacct gnanaactcg gcnaganccc 60
cgggatcctn agagacgacc tgcaggggtgc aagtttggtt tcaacttttc taacagnnnn 120
gagccagaaa atagtgccgt aaattactca tcaacacaac ttggggacca atgataccca 180
ctattggcgt aatgcttgac atacgatgac attgggcctg gtgcatttga tggtagccga 240
gcatcttgtg aaagcccgat tttgacatcc ttgaagaact tatatgaaac atacgaccac 300
ttgaaaaatg ttgctgaatg tagccatagg ttgatcatca caggtcttat tggttgtaaa 360
gactaataaa ctttgatgtg cttgaaatgg atgggaggaa gctatattta taaggtaaaa 420
gatactttaa cgtctaaatg tgaactggcc ggtcttgata tgtttaatgg agaagtaata 480
tgtaggctaa tatctaagtc g 501

<210> 33238
<211> 256

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33238

aaagtatcag atactctagc acatcagtgt catcncgtgt tattagacca atcaaacct 60
gcggtgaatc tgcctgaatg agacactctg acagacaaac atttccatat agacttacca 120
tagcctcaag gacacgctct tgaattagtt cgttgcctg aggctataaa agagtacga 180
aaatatcctt tatccgagtt gcatcagaat gttcctcatc ggcacgact atttctcta 240
agaccgtgag tgcata 256

<210> 33239
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33239

actttgattg cttattcaat ggagcngaca agaataggtn cagactgac aacacatgta 60
cagtggccaa ggatgcttgn gagatcctaa aatcactca tgaaggaacc tccaaagtga 120
agatgtccag attgcaacta ttggccacaa aattcgaaaa tctgaagatg aaggaggaag 180
aatgcattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgccttgg 240
gagagagaat gacagatgan aagctggtga aaaagatcct cagatccttg cccaagagat 300
ttgacatgaa agtcactgca atagaggagg cccaagacat ttgcaacatg agagtagatg 360
aactca 366

<210> 33240
<211> 251
<212> DNA
<213> Glycine max

<400> 33240

accgggtgtt ctgactgaat ggaaacccga ctaacacgcg cgccttggtc ttttaaccg 60
gcggtgtct tacttccatg actggggtgc aatgtggcag tgtaagacga tactaggcta 120
tctatcctaa tactaagtga tgtcttctga aatgtctcct gtgatgacaa gcaaattact 180
aagaaaaaga actctaata ctgttagcct tggatgaacc aagtttgctc gtaccgttac 240

atagaatggg c

251

<210> 33241
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33241

nccacacgtg aaaaaaacct gacgnacgac nncnnntng ataanaaccc cgcattggaga 60
cacatatact gcgacgata gccaaatttt tttttatgag atgcacacaa cagccacctg 120
cttgacgag ggacaagact agggctctca aggacggtga taatgagaga gaagacccta 180
ctatgactac agttcctatg cacacaaagg taccatcctc ccatcaatgt acatactcag 240
cctatcacac aaattcctct gcccaccac cctgtattcc atagaggcca tacctgagt 300
ctccacatgg tctgtctatc tctctaccga tagcataacc catctcttgc tctacctct 360
gcaccaggct taaaagaacc gtggctctct aatcgtggaa gattccccac acatccgagg 420
gactgtgctt gagtggctct cacttgact cggaattct catggatagc gttaaccct 480
ggctgggttg cctggg 496

<210> 33242
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33242

agcttatgtt attgacctc attntcaact ctaagcttga ttttcactc attcttttgc 60
tctattctca cttgtaattt caaacctta tttgaactc tttaacgttg gaaacttgaa 120
tctcaactcc ctcatcttc cttataaact tttataagcc tacaacatgt aaaggggggc 180
tcaaactctt gaaccatgtg cttgctgttg aacttacatg aacatgttgc ttccaaattt 240
ttgagcttgt tgtcatgtcc tgaatctatg tgctgagttg ctttccttaa gttttttatg 300
ccacaaatga gttctttgca tgttaaaaca taaagtttagc ctaaaatgtc acccaaatcg 360
gag 363

<210> 33243
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33243

gcttcacaat ctccccctttt tgtgatgaca accctttttt cttaaacaca tacacatact 60
 ttttcctagt cgattattca cttaattctc catattctcc ccctttgttt ttgagtttaa 120
 gcttcacttt aaattaagtt atttaattat atgagttctt gatttaatcc ctattttctc 180
 tccccctttg gcatcaacaa aaagccaaag tgcataagaa atataaaaca tacataaatg 240
 attataatat cactagacat atatcatcaa aataattaag tttaaaactc ataacaatta 300
 agagtaagta aatataatca tgttcagtta tactaatcaa atattaaaag aaatactaag 360
 tattcaaagtg tcataanaat ataaatcatt tgggtaagtc actagcatct tgcagtccta 420
 attctcttct aat 433

<210> 33244
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33244

ncgacctgcà agtttgctat cnnanatttg cgccaacaca ngaaggacgc ggacacggcg 60
 ncccgaacaa ancacaagcc gacgaagaga gcnncagacn cggcngggga ggggggcanc 120
 gcgaacccaa accccagggga gggcncaagg accaccacac acacgcccgc aaagaagaaa 180
 ccaacaacac acccgcccc acgggaagaa caaacnacan acaacaacca ccacggggac 240
 gcaagaccna gaggggaagac cgcgaggcac ngagcccgc cnggacccgc ggcacagaac 300
 agagcccaaa caccaacaac gagaacgaca acgcgagcaa acggaccgcg agancgagng 360
 ccggcgaaca agacggaggg gaaggggann caaaccacga cccaaagaag acggaaggag 420
 gggccg 426

<210> 33245
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33245

nccacgtctg tncacaggttc angacgntan gcannnacgn gatantatan aacacccang 60
ctncgatcac ctaaggtcaa gctgcatggt ggntgggtgct ttttttataa ctgcctacac 120
atacgggggg agatcgatct gacaatacaa ttggacacaa catatgctac attactactc 180
aacagatgca catagaccct acctatagat gcttactagg cctgacgcgg ataaatataa 240
acagagaggt cccttcatgc tacaagcaac gctggaatct gaggaggatg ggctatttct 300
tctaagaccg tgagaggatg accttcatgt gagattatct taccatacgt cgcactagga 360
cgacgagaac gaatacttgc tgatgtatat tctatccatg cagaggtgcc acatcctata 420
ttggatatat ctccagttca atgctcctgc tagacgggtc accataagct tgcatacgcg 480
aagtttagag agcaactata gctn 504

<210> 33246
<211> 401
<212> DNA
<213> Glycine max
<400> 33246

tttctttcta cattatagca aggttcgcat tgggccatta tactttacgg ctaaaatggg 60
tatgtctctt tgcccataa taagcccag attatactga gtggacatga tgtacatctc 120
caatgtggcc ttctagtatg gataatcctc tctgtgaag catggtgacc tcatgacaca 180
tgctacctca acaacgaatt ggatgttggt gttatcttcc atcaggatct tttgctttag 240
acattgtctg gtgtataacc tttataggct cagctctgat accaaatgat aatggcaaat 300
atcaaaagac ggggtgggtg attgtgatat tataaaattt taaaaactta cttccttgaa 360
cataaacggt attgcatgat gataaagcac gttaaaacaa a 401

<210> 33247
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33247

agcttgaatt attttttgca attctcgagt agataatgca ctaccatctc tgcacagaat 60

caaatctata ggttaaaaat aaatggcact agaaccacaa gttcaactgg attttagtca 120
aaataagtgc aaatggtggg aggcaacaac gtaacctgtt aggagaagggt ttgggagggt 180
atacaaatca tctgtttgga tatgtaatta atcttagttt agtccaagtt cacatttaat 240
cttagtgagg ttcaggtggg atcagtatcc tctcgtattc gngnggtaaca tgtacaatat 300
ataactaata taaagggaag tttgattntc tatttaaatt tctctctttt ccttacagag 360
ttaatngtat actccgaatt tctatattat ttttgagcga gcattct 406

<210> 33248
<211> 379
<212> DNA
<213> Glycine max

<400> 33248

actaccggat ttgtatcttg gatgggtgat tgtgttctta catggagttc taagaagcaa 60
ggcattgtga cactttctac ttgtgaagcc gagtatgtag ctgcaacttc ttgcacatgt 120
catgccattt ggctaagaag attgtcggag gaacttcagt tgttgcataa ggaaagcaca 180
aagatctatg ttgataatag atctgcacaa gagcttgcca agaactctgggt gttccatgaa 240
tgacagtagc atatagatac aagggtatcat ttcattagag agtgcattac acagaaagaa 300
gtagaattga ctcatgtgaa aactcaagat caagttgcgg atattatcac caagcctctc 360
aaatttgaag atttttgaa 379

<210> 33249
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33249

agctnttctt anataatggt ntccactctt anaaggggtg ggtgataaat aatattaata 60
attaanagaa agagaataaaa atagaggaaa gagttaagat agcactaact tttgcattat 120
tggttggtatg gttaagaaat aagataatga ggaaaagggtc acgggttcga tcgcttttgc 180
taacaagaaa tcaacaaact aaccattaac aaataaagaa agagaaccga agagtttgaa 240
ttatgagaat gtaaaatttt gacacatgta acgttatcca agtatggtga tctcgtgata 300

ttnttcaatg aaggttggcg tatagaggct ntttttttgt tngcctatga ctctctattt 360
ataaaatcat atatgtgtnt aatagaggca gataaactcc ttaatttaca aaataatata 420
at 422

<210> 33250
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33250

agctttgaat gatgcctaaa tagtgggtgtg tgggtgcggga gacgggttttt ttcctctgcc 60
tgtannngng cgttaatgat tttgggtttt gacttgtgag agctgttggt ttgtgcctga 120
tgagtcttga acttatggaa atgtggagat tgtgttgctg aatttatgac tgtatgttgt 180
cttttgtggt gataggaatc aacaatatgg gcagcgttct tttcacaagt actggcagta 240
aatgacgcga cggtaaagtt tgagatttgg gacacatcat gacaagagat gtagcatagc 300
ttggctccga tgtattacag aggtgttact gctgctatca ttgtctatga catcactagc 360
tcggtatgat atctttgcat ttggatattg ttgaatacct atttaaagt 409

<210> 33251
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33251

agctntgatt caattctaac gatnanntaa cttttactcg ggatgtcccg attgaagtcc 60
cggatatatat ctgacacgcc tcgaaatttg aatgttgaaa gctctgagcc aatttcaaca 120
acaataactt tttactcgga tgtccgattt agtgacgtaa tatatcgtga cgctcaaatt 180
tgaatgttga acctctgagc caattcaaac gacaataact ttgtactcgg atgtctgatt 240
gaatcccgta atatatcgag acgctcgaaa ttgaatgtgg aacctctgag ccaattcaaa 300
cggcaataac tttttactcg gatgtctgat tgagtcccggt attatatcga gacgctcaca 360
attgaatgtt tgagctctaa gccaatcat acgacaataa ctttctactc ggatgtctga 420

<210> 33252

<211> 258
<212> DNA
<213> Glycine max

<400> 33252

ctctgagctt caacattcaa tttcaagcgt ctcgatatat tacaagactc aatcagacat 60
ccgagtaaaa cgttattgcc gtttgaattg gctctgaggt tcaaaattca atttcgagcg 120
tcgcggtata ttacgggact caatcagaca tccgagtaag aagttattgt cgtttgaatt 180
ggctcatagc ttcaacattc aaattcgagc gtcccgatat attacggcac tgaatccgac 240
atccgagtaa aacgttat 258

<210> 33253
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33253

agcttaaagt atgttctagt cattcatccc tacgagatgt tggtgaagta ttggcgatca 60
gaattgccat tccttggatt ataggggtga accaagctca agcttttaca aaaaggttca 120
tcaagtcagg ttgaaatatg gaagtaacca tcttgcaaac ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcgtc tactgcaaaa catatttagg attattgatg tccttggtac 240
ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat tcgcaatact tcgactgtac atcattegca tgcattccatg 360
cttttcattg gttgcattgc tcattgcatt ctttccttga aaaataaaaat anaataaaaat 420
g 421

<210> 33254
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33254

taaggcctgt nttcgtattc aaatcacatc attgtttcaa atgttggttct tttatcaagt 60
ccatgcaaaa acatctggat gcatttggtg tttgggaaag tccttcattg ttcttattct 120

caatgtttttt ttttaaaaaa tccttttgtt gtgttttgat ccaaaaaataa gtttaaaaaa 180
tattggttgt tgattctttc caaacatgt tatgttcaag aaaaattttc tgtttgagtc 240
ccaaaaagag ttataatcta taactaaact aacaaaatat caaagcagac ataaactagt 300
caaaataaac tagccgtagt ttttcaaaca aaaaa 335

<210> 33255
<211> 98
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33255

taggcgtaat caacagacac gctaaaggct ccaattacta gccttataat aaatacagcc 60
cgaccctgac actcatttca gtacgtgttg taataccn 98

<210> 33256
<211> 421
<212> DNA
<213> Glycine max
<400> 33256

tttcgagcgt ctcgatgtat tacgagactc ttcttacatc cgagtaaaaa gttattgtcg 60
tttgaatttg gttagagctt caacattgaa tttcaagcgt cttgatatat tacggaactc 120
aatcagacat ccaagtaaaa agttattgtc gtttgaatta ggtctcagcg tcataattca 180
atttcgagcg tctcaataga ttacgggact gaatcagaca tccgagcaaa acattattgt 240
cgtttgaatt agctcagacc ttcagaattc aatttcgatc gtctcgatat attacgggtc 300
tcaatcagac atctgaggaa aaaagttatt gtcatttgaa tatgctgaga gtttcaacat 360
tcaattttga gcgtctcgat gtattacggg acttaatcag acatctgagt taaaagttat 420
t 421

<210> 33257
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33257

tgacttcaaa toccatgaat tttttgtggg gacgaggtgc tgaatggaaa aacatcgctt 120
 ggatggcttg cgatcatata tgtactccta gaaatcaagg atgtttgggt ctcaaagcta 180
 tcaatgatct taatacagcc cttcttatta aatggaagtg gctgatgtt 229

<210> 33263
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33263

agctttgatt atataatttc ttgattncta aaatacccat ttttctctcc ccctttggca 60
 acatcaaaaa ggccaaagtg cgtaaaatat gaataattta atcacacaca aagcataatt 120
 tgtaaaacaa acataaaaga ttctaaaaca tacataaagc aaaacatgaa taaaacacaa 180
 ttgtaatgca aaccacttag tcatatatca caaaccataa atatcatgtt cagtcatact 240
 aagcaaatat taaaagaaat actaagtgtt caaatgtcat aataatatag ccaaatacac 300
 gactagaaat caaaatacta ttaataatag taatgtctaa actgatgggtg gtgggtggagg 360
 taaatcaatg cagtcgagaa tgatgggtgac atcttcttc 399

<210> 33264
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33264

tataagttgt gataagttaa tgaaattttg tggtttatca agaactggat atagtctcac 60
 tgatcaaaat gaaccattat aactttttat gtttgatctt tgtttatctc ctatctaatt 120
 ttaagtgaca tagaatttga atttgatttt gatattgaaa atctctttta ttttataaaa 180
 tagattttca ccatttgaat gtgttttttt gaagaacgtt tgtctatttc gttaatgttt 240
 tcatccaaat gataactnta tttgctttta aaaggcatta aaaaaaatt ctaaaatgac 300
 catntaacta tcttttgtga tattngcttt atactatata atatg 345

<210> 33265
 <211> 397

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33265

agcttgatgt ggaactngat ctangaagcc acatgtgaca gagataaata cttataactt 60
attcaagtta gtgaaacttg gcggtttgcc aagaatcgga tgtagggttat gtggttaaga 120
tgaactggta taaacatcat gtgtcttata ctgattttct ctttaaacta acttaagggtg 180
tgaatttgat ctttgctttt gaaaaaaact gatccaataa cgctttgtta gatatgaaca 240
aatttgataa atattttataa ctctcagata gagtattaga acggaagact tcattagatg 300
atgaactatt gattctcagc catctctggc aatgaatgaa cagttcaaaa tgcttntctt 360
gcgtattctt gataaagcag tgtgtatata cagatgt 397

<210> 33266
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33266

tgtaatcgat tacacatata ctggaatcga ttattatttc atattttcan gaaatattct 60
caacagccac atctttatat gtggctcttg aatggctatc aaaggcctat atatatgtga 120
cttgaaacac gaatctgctc agagtgtttc agaacagata ggtcttatcc tcttataaag 180
cacaatcggtt ttcttctctt acaaattcct tggccaaatt acttgtgatt caataaagaa 240
ttatttgagt gctcaaatgg ttcaatctat ctctttcaag agagatttct tgttctcttc 300
ttcttcattc tgaagagggg ttaagagacc gagggctctt tattgtgata ggattctaaa 360
cac 363

<210> 33267
<211> 405
<212> DNA
<213> Glycine max

<400> 33267

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tatgtgtggtt attaatgatt cccttaccba ccccgcaata tcaagaagcc ttttcaaatt 120

ttagctcata tttatatacct ttggatccct ggtgggatag ctttgaaaat tatgatcata 180
 actaaatttg atatccctaa acaggtggaa aaaatgataa aaggagcgaa caaacaggaa 240
 aaaaaaaaaa aagatagaca cttcttaatg ttttagatta gattgcttta aatttgtatc 300
 ggatgagaaa gtcttacatg aacatttcgc tcttactgtg agacccaaat catcattctt 360
 gccccttaat taggcttgaa tggaagattt gatctgatat atcat 405

<210> 33268
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33268

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 tcttcaagtg ttatggagtc cttgactaca ctaagacaac tcattaaatt atcataagag 120
 ggagggagag aggctaacaa aatcatcacc aaatcttcat cttccatctt gacaccacta 180
 tcgcgtagct ccatcagaac aaagtttagc tcatcaagat gtttcttttag tggcacacat 240
 tcccttattt ggaggccaaa caaacattat tccataagca acttggtgga 290

<210> 33269
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33269

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 ctacttgctt agagaaaagg tggtagagata ctttgccaaa aaaagagccc aacatcagca 120
 aattagagaa caattacaga agtggttcaag attaagcact tgtagaactc cacttcttga 180
 tcttcatcgc cacagatcaa aatgctatgc actttgccta aaagagtttag acaaaagcag 240
 gaaaatacaa cagctattac actattttca ctaccttgac aaaaaaagtt catatagtaa 300
 gcacttccgc agttccaaga aatttgggtga ggttgaaacc ttcagaaatc acggtttaag 360
 tctgcaaatg aatatcanaa ccaagttgtc aagaatatga tcctacttag aattggg 417

<210> 33270
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33270

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ttgttgtttc ttcatttttc tccatgtatc tcctcacatg tcttgatgata aatgttttta 120
acatgattct ttaaagtttc caccgattaa acttgctata gaagctagat ttgattttct 180
atgggtcaaa tttcttggtc ttgaaccatg aattgtgttg agtttagctt cctttgagtt 240
ttgtcttggt atttttttgt ggctgaaacc tagaccatta aattcttaca aaaatattaa 300
agtataataa aacctcaaaa atctagagtg acttgttcac ctattgtaag ttgtcatag 360
aagtcatgtc tagtcatgaa acttgtcaca 390

<210> 33271
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33271

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agtctacacc tgctgcaaga gtctgtgggc tatgttcttc tgcagatcac catatagatc 120
tctgtccttc tttgcaacaa tctggagtta atgagcaacc tgaagctttt actgcaaaca 180
tttataatag acctcctcag cagcaaaacc aacaacagca gaataattat gaactctcaa 240
gcaatagata caatccaggt tggaggaatc acccaaactt gatatggaca agtnctccac 300
aacaacaaca gcttgctcct cctttctaga atgctgctgg tccaagcaag ccatatgttc 360
ctcctccaat ancatagcag cagtcacaac aaagacatca agcaacta 408

<210> 33272
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33272

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tattaacacc accaccacct ctttcctagg gaccaacacc agcaacaaca agtgggtgaaa 120
agcttccatg caagcaacaa ctacgatgca agcctcttgg caatgaacct atctgccagc 180
ttacggcaac tcaatcaact acaacatcag aatgccaccc gcggggggcga cgaccgcaac 240
cgctcctatg gtttcatggg ggagacacat ccaagccaaa cgaactaacc aacttaacta 300
acac 304

<210> 33273
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33273

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gctacatagt cactttttta tctcatggct gttgcattct tttaaccttag caaaagacca 120
gccatatgaa ggtagttggt ttcttattgc tgtcaaagca gactaacaat atggagtgtc 180
gatttctgct tgtagtttgg aaggattgga aagcatctac attttccttc tataacaatgt 240
tataaatcct agacaaagcc tgattganat tgcaatgcat tctgctgcta attggtttct 300
agatgtcata aaaatgtggg taaaagccaa aggaatcaat gtatttagagc attattgaat 360
tgtagtcgat gtgtctcatg atatngaaa tgtttgaact tatatgtgcc attgtgt 417

<210> 33274
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33274

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ccgctaagtg agcnntgact aaatctttta cttatttttc aagatttttg catcaagttt 120
ttctccaaag cacgttgaaa tcttcttctt ttaacttttg ctaatcaaaa actacaaaga 180
tattaatttc ttattatttt cattaaaaac accggtgaag taaaaaaatt gcaatcattc 240
ttagccaata ttgactatca aattaactca gattttgcag gtatcacaag gtatgttatg 300

tgtggcttca ttgagcataa ttacttacat cttttgtttg ttttaagagtt acaacatgct 360
 ttntttcata tatcattatt agagaggtgg tcttcaagat gggctatcat gaaagaacca 420
 aagaacattt tcaaag 436

<210> 33275
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33275

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 ttttaactga acaatagttg tgtggggggc aaccactaca aaaaaaatac tttcaacatt 120
 gttattttta catcggtttt tgataaaatc gatgttaaca aatgagcggg gacatttttg 180
 taaataaact gattttggtt aaaaaaaccc aatgttaacg tgacaatatt aacatccgtt 240
 attaaaaaac cgatgttaac gtaacaatgt taacatcgag ttttgaaaaa tcaatgttaa 300
 catcgatcatg ttaacatcga ttttacaaaa atcgatgttg aattttaatg ttgtgtttt 359

<210> 33276
 <211> 186
 <212> DNA
 <213> Glycine max
 <400> 33276

cacactatat gaactaaacg tagaccagct gatgcaccct atttgatata taacataagt 60
 catactactc ttattatgta ttgtacaact atacacatag cataatatga aataaagctt 120
 aaaccattct agtacagtca ttttgaatct catcattaat atcaaacatc tatgtgtgcc 180
 acttag 186

<210> 33277
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33277

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gncacacccat gtttactata catacgactt ttgttgctat ctatccgcac gaaaagaagg 120
 ggggggtgtta tgtgttgtaa tgcaccccc accccaaaaa caatgtagca aaaagtaatg 180
 cttaagccaa tccaagcaag acattttgaa tctcatcatt actatcatgc atctcaaaga 240
 aaatgaaaat catgcatcga tgtgcatagc tcaacagtgc attacaagaa aacgtgcctt 300
 ctaagccgac caagggaaaa atgtatgtat atgtgtgaac attgttcaaa atataacaca 360
 tatatataaa gatggcggag caatctagac agatgcacaa cacattccat aaatatattc 420
 tgaggatgat gtgtaaggaa atataataaa gcatgggagg aaaagctgac gggcactaga 480
 atacgaaggt gtatgacaaa tgacacat 508

<210> 33278
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33278

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 acggcggatg taaggacta caacttcgat ctagtttttt tccgtataaa acttacaat 120
 taataatccg taaattatat aaaacttatg gattatcaat cgtcaatta tatataacct 180
 acggattatc aatctgttaa aagacaatcc atatgaatta tgcgaatttt cagtaatccg 240
 tatagtccat acggattctc aatccgtata aaccagtgtt taatgctaaa gaagaagagg 300
 gacttacgac ggagacgatg gcgaagtcgg tgtcaacggc aagggcactc actggcagca 360
 caatgcggac tgatgcatga aagggtgac 388

<210> 33279
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33279

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 aactgggttag tatagctcta caagtaagga tatacagttt gaagtaggtg tagatatggt 120
 ttcttctact cctctctttt tatctttttt tatgtgtgcg tgcgtgagtg tgtggcatga 180

gatcctctca tatgttgtca cttatcatta tagagaacgg ctgctctaga aagatcaatt 240
 agggagaaaag tcggatggca gaaattcata aaaagaggag tgcacacact aaggaagcta 300
 cagtaccagg tttttctttt agccgaagtt tgtaattgcc ttgcaacatt gtattatgag 360
 actcgatggg cttgattcta cttcagttgt gttatgttga tcttggaatt gcagtgagga 420
 gatggaacaa ctca 434

<210> 33280
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 33280

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 tcactgcatg agggtgcaag ccaagcactc gtcaggcacc agtaacaggc aaagagttga 120
 gggctatgaa acagacagga tctagtaagc gacagtgccg cacacactgt atatattaat 180
 gatacactcg aggcgtcacg cataaacaaa gcctaggatt acatgtaagc tgtctgctca 240
 atagaacaat cattgtaggc ggaatcttat ccaactgtta tcagataacc gctatcgttc 300
 agaacgatcg agtccgtaca tgtaagaatg ctggtcgggc cgaaaaatca catgttgaac 360
 ttcttcgtag acacttcata ctatctaagc gagctcctta acataattta gagtcgtatg 420
 acgg 424

<210> 33281
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 33281

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 attcatttga aacttttcaa acatttgcta ctggaatcga tacacaattg gtatcattac 120
 agaagtaaac tcttggaac atgtttgaaa aaatgtgcta tcattttgaa aaactttcat 180
 acttatttga ttgaccttct cttgatcttg atctgaactt gatctgatct gattttgaat 240
 ctgaccttga tcttgatctg aatctgaacc tgatttgact ctaacttc 288

<210> 33282

<211> 192
 <212> DNA
 <213> Glycine max

<400> 33282

acgtaaactct gatagtgcga acattctctc ttttgttccc tatcaccttg ctgcacaatt 60
 ctatgtgtat gacaattctg cgccgctgca tctactactg ctgttcctga tgggtcttca 120
 tcacttacat aacaaactgg tatcaagagc tcaagtcgcg atcaaaggaa ttcaagattc 180
 tcgtctgaat ac 192

<210> 33283
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33283

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 tttgatcatc ctactaggac gactgagaaa actggggcaa ataaaaaggg tgaggatgag 120
 ggagaaaacc atgctgtgac tgccattcct atacggccaa gtttcccacc aaccacaaca 180
 tgtccttact cagccaataa caaacctcct ccttacgcac caccagttta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct atcgcacttc caatgacgaa catcaccttt 300
 agcaciaaacc aagagcacca accaagaaat gaattttgca acgagaaaac ctatagaatt 360
 caccacagtt ccagtgtcct atgctgactt gctcccatat ctacttgata attcaatggg 420

<210> 33284
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33284

gagtcaacaa gttcaagatc aagtttaatt tcaagtttca tgagaagaaa tcaagaagat 60
 tcaagagaag atggaattca gattcaagag aaagaaatca agaagacttc acaagggaag 120
 tattgaaaag atttttcaaa aaacaaacat agcatagttt tggttttcaa aagaattttt 180
 ctcagaattn tctaagttac tagaagtttt actctctggg atcgatacca gttcctaaat 240

cgattactgt gcaagttgtt tcaagtttca ctgattgcat gttcatgatt c 291

<210> 33285
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 33285

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 tgctcaaata tgtggggcaa ttttggtttg ttttcttgct tgattgggtt ggattggggg 120
 gtttgtatgg gatggcccta tgcctatgat gcattttgaa gcaatgggac atgccacatt 180
 gtccccgttc tcttgctagt gatacctaaa cgcgcgccca ccaagtgttc ggtgaaatgc 240
 ctcaatggca ttagcgctg acttttgtaa ggaaacaacc catggaggca tttggtttca 300
 catattctct atattttggg acatg 325

<210> 33286
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 33286

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 aaaaaagaag tccctactac aaagactacc caaaatgcc tcaaatacaa ggctaaaacc 120
 ctatactaca agaatggcca aaatacaatg cccaaaagaa ggaaagacct attctaatat 180
 ttacatagat aagcgggctc atacttaacc caagctcgct acctaatttc gagcattctc 240
 accattggca atttcaaaat catgtctgag cttaaagaaa tacccttcgc att 293

<210> 33287
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 33287

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 agacattttg cctaacaag tcaagcttgc cataactcga ctgtgctttt tcttcaatgc 120
 catatgtagc aaagactttg atcttgtaa gttagatgag ctggacaacg aggccactat 180

tatattgtgt cagttgaaga tgtagttttc acctgctttc ttcaacctca tgggtcactt 240
aattgttcat ctggtaagag aaatcaaatg ttatggggcca attcatttgc attggatgta 300
cccggttgag cgatacatga agatcttaac aggggtataacc atgaatctac accattcata 360
agcatctatt gtggaaaggt acatcgcaaa agaagtcatt gaattatggt 410

<210> 33288
<211> 406
<212> DNA
<213> Glycine max

<400> 33288
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agagatgccg gaattcaaatt tatcaacaac ttcttcatta agtgtctacc tatttttgcta 120
tttcctaaat taccctcact tatgccttta aacctaaatc tattttttgac acagaacgca 180
ctcattctcc gcttatattc atttggatca tatcagcacg cacactgtcc atttcattac 240
atttccaagc tcaaagtgtg gagagaagaa gaaaaggaag aatgggtgagt taaaaaccct 300
atatctagtt ttcatctcca cttgatttat actctttcat tatcatttta acacctaaag 360
tgactctgta ttggctgttt gaacttacat gttcccatc cctcat 406

<210> 33289
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33289

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aatcacgttt atgtgatttc aatgtataat gacgacaatg gagattaagt ttaagtccta 120
ttgcatctaa tgtgaccctg atcgattcta tattgtctac ctatctaag agtagttatt 180
attaaaaaga aatggctttt attgcactct tctatcctta tatgctgatt attttcagt 240
aataaattac tattgtccga cttttaaaat ctaagaatgg ttatcatcat ctttcttata 300
cacagtgcga taatgaatct catgatgtgc cttcatcatt gagtccataa ttacagctat 360

<210> 33290
<211> 487

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33290

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aacaccacgt gtnggggaag tagancgcng caacnnacgn ganannatan aatactcaag 60
cttcaggctg ctcaattgct tagattgagc acattttgtt tatgggtctat gcggnggacc 120
acagaggagc atgaaccaca gagtctggcg acagggtgtag attttttgatt catggccagg 180
tgggttacca ggttcaccaa ggcattctact tgaccttcaa tagtcttact ctgagctgat 240
gaagatgaat tcttggctac ttcattgact cctttaatga caatagcctc attattcgca 300
ctaaatcgct gagagtctga agccatcttc tcaattcaat atttggctat tacctgcggc 360
atgtctccta aggcgtctac atagcgtgaa cgatcatact cctctacacg aactgagccc 420
atatataata tcgtaaaaag tgctcaatat ttgcgggcgg cactgcgcta tttttaaact 480
tccagtt 487
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<210> 33291
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33291

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gccatgccaa gcccttatga tttntttctc acnnccatca tagattaatc tctttcttgg 60
aacagacnnt ctgatacttt cattctnntg ttcanaggct tatgaagaaa gttttcccag 120
aaaaaatttt agggaaanaga atgngannaa atataaccac annngcttgt agttgaaagt 180
accactttcc tgttaataag aaattcnnc atttgtgcat tcagaaaaat cttgcttcga 240
acttcgaaga ttnntagttg ctgggtgact tgggtgtgaaa tggttcanng ctaccgatta 300
agcattgtca ttgttgccaa gaacctggct canaaatttt tgctcttggg atgcanaagg 360
gttngctatt gccaaataca agacaaggga tgaagaagaa gtgagctcaa tgtcttcaaa 420
tgtaaaactgt ctttgtctct caggctgcaa tctatcagat gaatat 466
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<210> 33292
<211> 389
<212> DNA
<213> Glycine max

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 tgtaagtntt ttttataatt tttggttttg tttttggagc agtgaccatt gtgctacttc 240
 atttactgac ctttatcgaa gctgccccaa gtgttccatt gaaatctgcc ttaactgttg 300
 caaagaaata cgcaatggaa gtatatcacc ccggtctgaa ctgaagtttc aatatgtgaa 360
 tagaggctat gattatatgc atgggtggta tcctttacca gtgtcttgtg at 412

<210> 33295
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33295

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 aacagggcaa aggcagaaaa ctctgccccaa aacaccaacc aaaatcacag cttttccac 120
 ttaaagaccc cagtaacatt tccttcgttt caatttgta accggtggat caactcgaan 180
 attttactgg aagtctctag tacataagcc tacattttga ccggtgggat ctgctagaaa 240
 acatccagaa ctattctgc actactcttt ccacaaccag caaaacatag tatttttctg 300
 cacttatgca aaattctgct gcacaatntc acagcaaat tctgcataaa gtgcagattt 360
 cgaaaaccac acttcccctc atccaatctt gcccaaatca aatcctacaa gtcccaaadc 420
 atg 423

<210> 33296
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33296

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 atattaaagt agaagaaaac ctcaaaaatc tagagtgact tgttcacgta ttgtagtttt 120
 gtcataaaaa tcatgtctag tcatgaaact tgtcacataa gatttcttat gttgngctga 180
 attttatttt cttgtttctt tgtctaactc atnngttcat gagtgtatga aattatttta 240
 gcctattatt ttgattgagt caaatctttc atgttaatta gtgcttaaca tgttcatgca 300

aaattcttag agagtctttg a

321

<210> 33297
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33297

cccaganaga ggggnnacct agngtctttg ctagtnntcc tagnannnac nnnnnnannn 60
 nnggnanaga nocncgagag tctatgnata ggagnngnan gntttgattt ataaatttga 120
 ttgggannga aaaggagcca gaagaggggc gcgctgtgaa aacagaacaa aaagccaaaa 180
 cgcgagacat aagaagagaa caatcacacg cccagcatta ttggtttaac aaacatgaaa 240
 gatgctcaga cccacatata tcaatacatg gataaaacca agattgcatg cgaaccaact 300
 taacctgtat cacaaaccat tatattcatg atcagtgtta ctcgacaaat gttcaaagca 360
 atactaaggg ggccaatgtc ataactatat agaccaagat acgactatta atccgaatac 420
 tataattaat aaaatatcta aactgatggg tgtgggggag agaatacaga catctcgatg 480
 aaggtgaatc ttataatcac ttgtatactt gn 512

<210> 33298
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33298

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 ggtgattttc caccatggag atgcagcgga atacaaagga gaagaggtaa gaggcggcgc 120
 catccattaa agaataagca tggaagaagg agcttcacca ccaagatgaa ccttggataa 180
 gaagcttgga gaggatgctt caatggagga aaagaaagag agagataaag agagaggggg 240
 gagcacgaaa ttgaaggaag aaaaagggag agaagttaaa ctctgagttg tgtctcacia 300
 gactctcatt catcanagtt acaaaaagtg ttacacatgc ttctatttat aact 355

<210> 33299
 <211> 364
 <212> DNA

taagattcat tcaatttgct caagtttcct tcgtctagtg gactgacagc ggtgcaacac 240
 ttattc 246

<210> 33302
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33302

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 ctgacgcatg cagccacacc tttgtttnta atattaaccc ctaacgcggg agggcatcaa 120
 atcacacagc cagaccaccg gatctgacat ggàgtacaca aaggccccga gtaatgaacc 180
 gaccacagag cacacagcaa tactctgcc aacctaccc agcgagagcg ctggcagaga 240
 gtggacattc ctagcaatac atgcaccaga attggaacag cgccatagtg ctagacatcc 300
 actgactata caaagccgcc cacgtgacac ttgaaattcg catacaggtg caagcaaaac 360
 ccaggcacg aaacaccac gttgatcaga atacaacacc gcaagaggtg cgatgctgcg 420
 tgtgcgagac ccaccagag cgggaggacg agg 453

<210> 33303
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 33303

agcttttttt tagtcatggt tgaaaacccat gcaggggtta tgtttgaatt tagcttcagc 60
 taagacctca ttagctatca ttacaccatg gaggatatgt ctgcctttga ggaaagcaat 120
 ttgcctttca tcaattaagc gaggcagcac aagagccagc ctattagcca ggactttgga 180
 cattattttg tagacacacc ctatgagaga gatgggtcta taatcattaa gagattgggg 240
 gctattgggt ctggggatga gggctatgaa cgatgcatta cttcctttgg ggaatctgcc 300
 attaatgaag aattcatcaa agaatatgat aaaagc 336

<210> 33304
 <211> 236
 <212> DNA
 <213> Glycine max

<210> 33307
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33307

ttctntattc tatcggttaa gccgttatct cgcctaataa atgataaaat gaatttcaat 60
 cgatcatttg cgttgtaatc tcgtttaatc actgttaaaa caaaatctaa cgcgcattt 120
 acattgtaac ctcgggttaa ccaaaaaaag caaaataata ataaaataat caaaatatct 180
 ttgaataaaa taatcaaaaa aaatcaatct gacgtttttc tttggagggt tccttgaatg 240
 aattgactaa taaccaaagt gaaactaaga ctaaaatcaa ctacaaaatc aagctttgtc 300
 cataaaaatc acttataacc cgttttaagg tccaacgcct tatacgggtcc tctttgcttt 360
 tatcggttaa catggacagt tcataagcat aaaatcagca tgtaac 406

<210> 33308
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 33308

tttcttcaat ctgagagctc gggatatgtg gatcattgtg aaaccctct ccatacttca 60
 caagggatgc atgtgcttgg gaaggtagaa aatggaagtt ttgcattgga ggaaaggata 120
 gatttggtgg tctaccagcg ataagaaact gcttgtgtgc ttcttactg gaagtttgc 180
 ctccattacg gtccgtatta gaagattcag tottagatat ttgaactggt ggatgaatag 240
 tgtatccagg ataactgcga gtttgaaaca agccttgtca atagacactt tatagactaa 300
 ttcagaatat cattatttaa caaacttgat atgagagtag atacaaaatt ggtacttgcc 360
 aaatc 365

<210> 33309
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33309

tagaaaacta agcttggcag atctatgcca gaatgcaagg ggacatatat ttctcttact 60

tgaccatata taaatattga aaccaaagat tccttggagt aatgtgatgc caagaagaaa 240
 tccaagattc ctataagtat aacccatggg ttgaaaagaa gcaagtgatg cttactatta 300
 acttcgtctt ccagttcatg aggtccaagg ccattcacat tccctgctca taaggcgcgcat 360
 cgattatcat catatcata 379

<210> 33312
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33312

tgcctcanag aggtccagga aggataaagc ggcgaagga accagttccg ctcccagta 60
 tgacagccac cgcttttagga gcgctgaaca ccagcagcgc ttcgaggcca tcaaggggtg 120
 gtcatttctc cgggagcgcac gcgtccagct caaggacgat gagtatgccg atttccagga 180
 ggagatagtt cgccggcggg gggcatcact ggttaccccc atggccaagt tcgaccata 240
 catagtcctc gtnttttatg ccaatgcttt gcctat 276

<210> 33313
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33313

agctntgtgg actagtgata ttaatatatn ttttagaaga gagacaaagc taggaaggaa 60
 acaaaccaag agagtgaaca taggtgcctg aaggaaaagt tgatggtttg aactttgaac 120
 taactaataa ctaaatagtg gatatgatat gtgataatga gagagacagt gagaaaaatg 180
 aaccatatcc atatctctga tgctgtgttt gatggagcaa aggacatgac tgacatatgc 240
 tggatcatggc ctacggggtc aggctagcat gcattacatc atgcacgtgc gtgttttagc 300
 attctaccat taacggccaa cggacgttcg caacgacgtc gttcttgcaa gagaagggtat 360
 ttaactactt attgtacgta ggtaaaaata tctcaactct taatgccaga gtaaacccta 420
 ttagtc 426

<210> 33314

<211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33314

ctaataagta ggaatgtaag cttcatggag aatgagaagt ggagatggaa cgatgcanaa 60
 aatcagtaaa tggattatit gaatcaagaa gagttagttg atcatcctcc tggtcgagac 120
 actagattac ttgccgacat atattagagg tgcagtggtt ttgtgcttga accaacagga 180
 tatcatgaag cagaaaaaga tcctaaatgg aggggttacta tgcagaaaga gct 233

<210> 33315
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 33315

agcttgcctc tatatgtcca ggattacaag gcagccgaag gaactagttc cgctccggag 60
 tatgacactc accgctttat gagcgctgta caccagcagc gcttcgaggg catcaaggga 120
 tggtcgtttc tccgggagcg acgcgttcag ctcatggacg acgagtatac tgatcttcag 180
 gatgaaatat ggcgccggcg gtgggcatca ctgggttact ccatggccaa gttttgatcc 240
 agatatagtc cttgagtttt atgccaatgc ttggccaaca gaggagggcg tgcgtgacat 300
 gagatcctgg gtaatgtggt agtggatccc gtttgatgcc gacgctatcg gccatctcct 360

<210> 33316
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 33316

tctagccaca tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60
 cctttccttg gtttgaagct cactacaagc cttaagtga aaacatgat attaccatat 120
 ccttaaggaa ttttggagct ttggaattgt cttgggaata agtgtggggg gtttttgttt 180
 cattggacaa ctggttctgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
 acattgtata ttggttaaat gtggacatgc tgaatgacat gctgtttctc aaatgctaaa 300
 ggtaaaaaaa aaaaaattct gaaaagaaaa agaatagcaa taatgttgag tgaataatat 360

<210> 33319
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 33319

ttagtcttaa acctttctcg gatggatctc acgcaacgat ctatcgattc gttgattcaa 60
 agtcaatctc ataccatagg tgggccgaaa tcaaatcgtg gcaactccatg ttcgtctaac 120
 ggcgttttcgg ttacttcgat tgcgacagtt tctgcagttc gagacatttc tttgggtttt 180
 ccgcattttg atggcgatac accactcttg gagtggatct tcaaagaaga gaagttcttc 240
 aattatcata tcaactccaga tctcgatcga agtgataatt gctctattca ttttcaaag 300
 atgtgattcc ctggtttaac atgttgcagc ggatgcaagt tggagcacct gtgctgagtt 360
 acacgtgctc tggaaacaca t 381

<210> 33320
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 33320

cgcctcatag aggtccagga aggataaagc ggccgaatga accatttccg ctcccagta 60
 tgacagccac cgctttatga gcgctgaaca ccagcagcgc ttcgaggcca tcaatgggtg 120
 gtcattgttc cgggagcgc gcgtccatct cattgacgat gagtatgcct gattccaaga 180
 ggagatagtt cgccggcggg gggcattact ggttaccacc atggccaagt tcgaccata 240
 cataatcctc g 251

<210> 33321
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33321

tagctntaat atatctatgg taaggcgtgt tgtntgttac atttcatcag cagcaatgta 60
 ctttgtgtct tgacacaatc cacacacaca ccagcatttt ccaacatcca aaaacaaagt 120
 cctaggataa gttaagaact ccaatctctc gcactatctt gttttcacat tattattatt 180

actacttgtt tgtgtgtgtc tgttctacat tgttgcttgc taccctaccc atgatcttgg 240
aactgtgacg agatgccaca ttgattaaca acaacaacaa taaccacgtt agatctcaag 300
ttggagtctt tgtctggaga caccattat ggggggtgtg agtctgaagg aatcatggtg 360
tttct 365

<210> 33322
<211> 533
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33322

cgagtganat tgattcgtcg cattcgacac ctgaacactc agcttgactc tatacgtgca 60
agatggagtg aggcggtcga atgaaccaat tacgctcctt agtatgacag ccaacgcttt 120
aagagcgtg aacaccagca gcacttcac gccatcaagg tgtggtcatt tctccaggat 180
ctacgcgtac agctcaatga cgagtagtat gccgatttac aataggagat aggacggcgg 240
ctgcgggcat cacttggttac ccgcatggtc atgtacgacc caacatatct cttgagattt 300
attcccatgc ttggtctatg gaggaggcgg tgcgagacat gatatactgc gtgaggggtc 360
catggaatcg cgtctatgaa gatgctatct caccgataat aggacattct ttattgctgg 420
aacacggccg cgagtgctaa tcttgctcat aagaagaaca ccgtcctgat tgtctttact 480
aagaagccat cctccacttg tagtgcatac ctgagacaga ttcttccacc acn 533

<210> 33323
<211> 402
<212> DNA
<213> Glycine max
<400> 33323

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aggctgattc aaacacttgg ttctctccaa tttcagcata tgttgctagg cttattcttc 120
agcagatgat aatgaattgt gaatttctca tcatattggt atagctatta gccactgaca 180
tcactttctg tgcattgact atattgtgca accatgatag gtaggcctaa attagatagc 240
gttagaactt ccaactgctat gtgtacttag ctcttcttgg ctaatgcaca tttttataca 300
ttaagatcac ataattacat ccatacatgt atatagagaa gatgatctag ttactgtcta 360

aagtctcatt actcttgcta agattattct cttttttaca at

402

<210> 33324

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33324

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aaaagttgca ttcttttgac aggacaaagt ctacccaaaa gattattaag atactaaaag 120
gaagtacgtg aatcggttga caacatgttt cattataaga gagtatacat tactcacagt 180
gtgtctttgt acttctgata gttactgat agactaacta ctgtagtttag tagttagtct 240
gttatcacgt ggtagtatag ttagtgcttg ccagctatgt aatagttgtc aactaactta 300
ggttacatta gttggtagtt aatccaaata tataaacaat cttgaattct gattacagtg 360
gggttgaata atacagata tctcaatctc aatgtcttct cttctctcaa aatctcttca 420
actctattat tcat 434

<210> 33325

<211> 196

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33325

tatctctnta gctattcata tggtcataac gattcactcg gatgtctgat tcaagcgcat 60
aatatatcga gacgctcgat attgaacaat ggaagctctt gagcaaattcc aatggtcata 120
acttttaact cggaggtacg attcatgcgc ataatatatc gagacgttcg aaattgacaa 180
tggaactctt gaacaa 196

<210> 33326

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33326

tctgttatga atttcgagtg tctcgatata ctacgggaca caatctgaca tccgagtaaa 60
aagttattga catttgaatn tgctcatagc attcgttgtc aattacgagc gtctagatat 120
attaaaggat tcattcggac atccgagtaa aaagttatta tcttttttatt ttgctcagag 180
cttctggttt caatttcgag catctcgata tattacagga ctcaatcgga tatccgagtc 240
aaaagttatt gtcgttttga attgctacga gcttccgggt tcaattacga gcgtctcaat 300
atgctacggg acacaatccg acatccgagt aaaaagtatt gtcgtgtgaa ttact 355

<210> 33327
<211> 215
<212> DNA
<213> Glycine max

<400> 33327

tgcattctac tacggatttt cacttacgt tgggatgaca aaagcgccat cggaatcaaa 60
aaacgcaaaa atgatgacc cttatggctgca gactcgtcaa tcccgtgggt atggatattg 120
aaaggaggga taagaatttt ttgaatgcaa acacgtacac cctttcgtga tacttataat 180
ttggtgcatg ggtggctcga ccagacgagc taacc 215

<210> 33328
<211> 381
<212> DNA
<213> Glycine max

<400> 33328

ctataaatac tcaagctggg tcaggtactt acccgatgaa gatcgaagaa ctattataga 60
tctattgata aacgtcgaat aacgggggaa atctttgcga aattcctcac ggataacgtt 120
accgaaacgt ttcggaagcg cctcggctta gattttcttc acggaacaa tttttcctag 180
caaattctaa agagagagaa gtgcctatgg ggctgaaccc cttccttctt gcattcctcc 240
actatttata gcataatatg ggaggagggt gtccgccagc tcgcccattg tagcagggtt 300
gcttctctca taagcaccgg ccttttgagg aattatttgg atggccaag tgggcctggg 360
tgctatttgc actccacttt t 381

<210> 33329
<211> 374
<212> DNA

<213> Glycine max

<400> 33329

tgcattctttt tataacctga tcggctcgtct ttactggcgc acgccgactg tcattttattt 60
cgatcaatat cgggtgaataa tattttctttt gccgaagagg gctaattgtt tcttgggccga 120
ataaatcgga acatgccaat ttccggcgaa acgaaacatc ggatgagctc gcacggataa 180
acctagccga cctacattgt gagtttttta tgctacaccg aagcaagaaa acttcccctg 240
ccgtaagata aaacattata gtgcagcgcg cgtttttttt aaggaaaaat cgctcaatgt 300
ccgctgagaa atatcagctg gggccatttc acagcctatg tccgctattg agttttctat 360
tcaatcccctg aatg 374

<210> 33330

<211> 156

<212> DNA

<213> Glycine max

<400> 33330

ggagtatgac agtcaccgct gtaggagcgc tgtacaccat cagcgtttcg aggccatcat 60
cggatggtcg tttctccggg agcgacgcgt ccagctcacg gacgacgagt atactgatct 120
acaggaggaa atagggcgcc ggcagagggc accact 156

<210> 33331

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33331

agcttgtctt tgtgttagat ctgatttata catganttan gacttgtatg atccaatcta 60
cgcaaaattg gatgacggta agagggattt cgaaatctgc ccaacttatg cagcaaagag 120
ctgtctaaat ttgtgcagca gataattgtg cttgtgcaga aaatgttgtg tattctttat 180
tatggacatt ttctaggcga tcccaacggt caaaatgtat acctatgtac tagggacctc 240
cagtaaaagt ttccgggtcga tccaacggtt aacgaagcgg aacaaagaaa atgttactgt 300
gtatttgagt agagaaagtc gtgggtattgg aatgtgtttt ggcagagctc tttgcctctg 360
ccctgttttc ttgattctgg atagttcatg atggttgga 399

<210> 33332
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33332

ctaacttgag tcatacaatg attataaata tgtgaccatg gcacttattt caagagactg 60
 atttcctttt atgcataaca aatttcctttc attcaattct cttcatcttt ctaaaagttt 120
 ttgttcaata ctttctcttt caagaaaagt tccttgacca aaaacttggt ctattctttt 180
 tctttattcc ttctctcttg tcaaaagatt gaaaggacta accgcctgag aattcttttg 240
 tttcttcctt tctccctctt aacaaaagat ttcaaatgac taaccacttg aaatatcttt 300
 tgtttcttac aaaagatttc aaaggaataa ccatctgaga atatcttttt ctttttcctt 360
 taaacaaaag atttcaaagg actaaccgct tgagatatct nttgtttccc catacaaaga 420
 ttcaagggtac taaccgccta agaattcttt 450

<210> 33333
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33333

agctntgtcc atattaatta cctaaaatac catttaaggt ccaatgcctt aanatggcct 60
 ttttgctttt attggttaaa cgtggacttt tgaaagccta aagccaacac ataactntgt 120
 cactactttc aagaaaacaa gagatcatta atagtccgat gccttaatgt tntctctcct 180
 ttcaaaagga tcaaaagatc gtttaaagggt tccaacgccg taaaacgacc ctnttttgta 240
 ttggtcacta tatcttacia aaaaggataa aaacaactta accaacgttt agttctcaaa 300
 gaactacgta ggtctgtgat cgaggtcgta cccgaatcan ataaacatta aaatgtagta 360
 actatggaag tgatcctagg tcgtttccca acgagaaatg gataaccaa tggtcataac 420
 agatagtagg aagtagtaac aaaatggggg gggggggg 457

<210> 33334
 <211> 270

atcttataaa tctatggagt tgtctttacg cagatcctgg atatcctgct aactatgaca 180
atcctgagat gggatatgga ggaactacat gtcctcctga ttcttatagc atgcatcagg 240
tatgtgacac tctcttacia gttttatatg tat 273

<210> 33337
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33337

agcttatcaa aatttgagaa tggacttcan aagtctttca aaagattaca aactacttca 60
aggaaaacat gaaggaaaaa tagataattc tttagaaatt tccattcaat catgtgatga 120
ctttgaaagt ctaaaattaa agacaacaaa gctttgtcct gaaaatgagg atatttgtaa 180
ataaagatat agtatattgg aagaccttca gaagttgaaa aatcaactgg aaggcttaca 240
aaatgagtat atcacactca ataaacttca tgattgccta natgaggaaa gatgtnatct 300
attgaaagca tgttcccaag tccataagaa ttatgaaaac ttggaggcaa gtaaacadat 360
gatgtagctc ccagtagagc ttgtaggcct cggatcttnt catcaatgga gtatt 415

<210> 33338
<211> 459
<212> DNA
<213> Glycine max

<400> 33338

gaaacctgaa ccatcattag caacatgaaa cctgctgagg taactagagc cctgttaacc 60
cggtaacca accggccatg aataataatc tgccttggtc gcagactctg tgggttatgc 120
ttcttttgcg acaacacaca aaacttttgc cttctatgca acaattttga acaattgaac 180
agcctgagct tatgctgcaa acatcaacaa cagaacctct caacctcagc agcaaatca 240
gccacaacaa aataattatg acctcttcaa gcacagggtac aatcccgggt ggagggaatca 300
cccaacgtag atggcgatct tcaaacgcac acacacaact tatttcaa atgtgtaccta 360
agcgaccata cttctcacca tcgacaacag ccaaaacaca acagtgagct ctcacaactt 420
cctgagaact ggagcaatga atgcaacatg cgtttacaa 459

<210> 33339
<211> 431
<212> DNA
<213> Glycine max

<400> 33339

agcttcttca gtatcatgaa tttcatttta cattctaata tttctcatca atatcaataa 60
aaataccggt gtgcctaagg aacaataata tggtaaactt aaatttggtta tagaggaaaa 120
ttagacaagt aaagaatagt caaacttgaa ttaaaatcta agagtggtaa atgagttgtc 180
aaggtaacct taattgtgta ctaatttcag tgaacacaga ttaacactct ttagtataag 240
ttgtcaaggt aaccttaatt gtgtaaagta gcgaaatgaa attgtattac aagaataata 300
ttttaagatc aaggactaga agtgataaca taatgatcaa ctattcatga tgggattaga 360
tataaacaaa taactactca tgatggaact tagaactcta tttttattta attagcttga 420
tttttatata t 431

<210> 33340
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33340

tcttactaca gaaatgtaat cggtattttct cttcatatac aaatatctta ggtgcacggt 60
aaactctacg ttcaatcaaa aggaaatnga agtatatcgt gcagtagcta attatatacc 120
tactaactca gcaaacatth cttttttcttt ttgtttttac cttccaaaaa ttgggttttg 180
tgatttggtt ttgatgtcaa ttcttataac tctcacttgc aggatgagaa acctgaagat 240
ccagtgaccg gccaatagga atcaacacaa atattaatgt gtgaatttca catccagcaa 300
gttactagaa tcttgaagag cgctgtctgt acgtatataa tacgtatgc 349

<210> 33341
<211> 412
<212> DNA
<213> Glycine max

<400> 33341

agcttcagaa ttcattttcg cgcgtctcaa tagattacgg gactcaatca gacatccaat 60

caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatgggtctcg 120
 atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
 gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgctc 300
 tcgatataatt acggggactca atcagacatc cgagtaataa gttattgtcg ttagaaatcc 360
 tcagagcttc ggattcaatt tcgagcgtct tgatatatta cgggactcaa tc 412

<210> 33342
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33342

tagcatttnt tgttcggtat tggcctaaaa agttgcaatg tagttcggct atgtttcttc 60
 gtgtgagctc aaccgaagtt gtatttcggc cgacaccggc attttgtcgg ccaggataac 120
 attagcccac ctcggaacaaa aaacatgatt caccgatatt gacagaaaaa aatgctagcc 180
 ttagtcggcc aggaaagatg accgatcgag gtctaaaaaa gaagcatgac cggattacgc 240
 cgatcgaaca tttcctatta gatatgatgt gaacctgagt aggagcggat canttgatac 300
 aggttacgga ggttntggat gaacgccact tcagtgaagg aagataagtc atggtag 357

<210> 33343
 <211> 594
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33343

acaccacggy cacgtaatcc acgcaacgca cgaagacggc acaaaacaca canaaacagn 60
 aaggtaaatt gagacctacg tagacacgct agacaatccc agaccggggg atactctata 120
 gagaccgct gcatgcancg cangccatct acantacaga cataccagca aaaggacaac 180
 ggcacagacg gagcatatat caacaccaaa caaaccaca gcaggataaa cgcccaaccc 240
 caccacaagt atgggcacaa cgaaagagac aagcatgcgg caaaaatcac cctacgcat 300
 acctagaaac ggatgctaac tacgatgcag caagaaagac acgagagaca cgccgcaggg 360

accagccgaa caaatgtcgg gacaaacact cacgaactaa ggaagacaca acccaaccac 420
ccacatgaac tctaaatact gaccaagcag agaatcaaca tgaactcgcc acataaagaa 480
aattcgact gagcgccagc gaacagagac caagcctgct caataagaat atgaaccaa 540
acacacggca gtacagacat tgacgagcac acacacacaa cggcggagag gacg 594

<210> 33344
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33344

tagcttctca catatagttt caacccgagg tcctctaaga gacttagtgt aaatattagc 60
caattgatca ttagaaccaa caaagtgagt cttgatttca ccagacaaca ccttntctct 120
tacaaagtga cagtctatct ctatgtgttt agtccgctca ttgaagactg aattagaagc 180
aacgtcaaga gcggcttggt tatcacanat aagcttagtg acttaagtgt ctccaaactg 240
taattgtagg agaagttgcc taagccatgt aattttgaat gcagcaactt ccatggcatg 300
gcatttagct tcgatgctgg gtctagcaac tatattttgc ttcttacttc tgcagagaa 360
caaatttccc ttcaagagtc agaggtagac ctctatctg atggtgatcc taccatca 420
gcatcagagt 430

<210> 33345
<211> 285
<212> DNA
<213> Glycine max
<400> 33345

tggaccgaat gggaatattg attgattcat agctcatcta ttggctatac tcagatcttt 60
ggcctggatt atggcgacac ctattccctg tagccaagat cacttctggt ctactatttc 120
atgctatggc tatcattacc attggcgcgt tcaccagttg gatatcaa atgtgttatt 180
gcatggtgag atgctactgt gcatcaa atgattgca cacattgcca ttctaccaat 240
cacgcacatt gagaacaaga atatggatat caactgttgg acaat 285

<210> 33346
<211> 423

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33346

 tcttcttcgt ccgcttatcc ctcatgtaag actacacccg atttagacaa cccattagg 60
 tttagactaa cttatactga gtttcgtccg cggatccctc atgtaagact agacttagtt 120
 caagcaactt acgaaagttt agcctaatat agcctaagct tcatccatag atccctcatg 180
 taagactatg cttaaaccac acaacatcat tgtaaaacca taattaaaac caaaacttaa 240
 cccacagatc cctcatgtaa ggctaagttt caatgttgct tcaatcacgt tctaaggcaa 300
 cagtacattt tccaatgtta aagtcaccta actgtgcaca caaatgggtg atcagaccan 360
 gagcatacaa acattaagca ttgaatgaag cattgaacac aaaatacata atcaactaga 420
 tat 423

<210> 33347
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33347

 cgaaacaaga tggtgagagt gtntgacaga aatcacattc tcattttgaa gtcccctctt 60
 ttcaaaaata gaacatttaa aattgagatt gatgtgatag aacagaagtg ttttaccact 120
 acagtaaaca gtgaagagtg gttatggcat tacagatntg gccatttana ttttagagat 180
 ctgattaagc taaactcaag agaaatgggtg ctgggnttgc ctcagatcaa gcctnctagt 240
 gaagtatgtg atgggttattt acagagtaag caatcaagag gcactttcaa acaaaatgta 300
 ccaatcaggg caaaagagaa acttganggt gattactctg atgggtgtgg ccctatgcan 360
 actgaatctc tgggtggaaa tagatacttt catatcctta ttgatgaatt gac 413

<210> 33348
 <211> 405
 <212> DNA
 <213> Glycine max

 <400> 33348

 gtgtatcgag taacaatgac gaaacgactg tgggtactgt ataatgcatt ggatgacact 60

cattatacaa tagggtatca aagataattg ggaccaggaa atataatacg ttattttaac 120
aagtaacagt aactacttag attctattct ttatgaacca aagtcactgt tatcctagtg 180
ctgtaaatat cagaaggatg caccacaact gcactgaagt cacttggaag acattcgagt 240
tcattgggct aattactttc tagagaaaga tagaaataaa acttaagctc tatttggcac 300
tttacaatg gatatacccc agaatagaca ccatgagttg ttcaatttat cgggagaatg 360
tgcaaaaaat aaatacataa tgtgaaaaaa cgaaatgaaa tatcg 405

<210> 33349
<211> 590
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33349

cgcgtactta cacattanaa tcacatacag cacgaactga tcacacgtac caagtgttga 60
atatanacaa aaaaagagag nnaaaatttg aaatttgaga gccctgcnta tancngacac 120
tatataagac tcaagctcaa gaagcactgt acggactcaa acaagcgcac agagcttgga 180
ttttaatgat tggcacatct ctgagtcaca cgggagtcag ataatgctca gatgaacatc 240
gcatataccc gaaggacaca acgtgtgaac ctaaaactgct tgtatggata tgaccaaca 300
acaacaggcg ttcgactcaa aggatatcga atgtataaat gcacagaaga cgctagaata 360
tgacatgaca taacttagta ggccagccta ctcccttgga tggaacatac aacaacattc 420
aagggaatga tgctcgacc actaatgcaa gaaactgata tattgagaag atgcatatcg 480
acaaaagcac tctcaaatac cccacacag ggaactaaaa ttggaacact gcaaacaaga 540
agaccgatgc cccaaggaga ccaacaatgg accttgaccc ctaggaatgc 590

<210> 33350
<211> 351
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33350

tatgctnct tgtgtggctt ctatagaggc tggatatntg agcttcaatg aggtccttta 60
attgtgagtt tccaccatgg agatgcagcg gaagacaaac gataagatgt gagatgagggc 120

gccatccact atggaataag ccatggcaga tggagcttca ccaccaagat gagccttgga 180
 taagaagctt ggagtggatg cttcaatgga ggaaaagaaa gacggagaga aagagagagg 240
 ggggagcaca aaattgaaag aggataaagg gagagaagtt gaaattgagt tgtgctcaca 300
 agactctcat tcattaaagg tacatcaagt gttacacatg cttctattat a 351

<210> 33351
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 33351

tgccaaaatt caagtagaag agagatatgt tgctcattct attactttgt aattgatctc 60
 aaaacattat aatcaattac actacatatg ttgaactcat tgctctcaag aaacttacag 120
 atgaatcaat tcgtttaaca ccttagaatc atattaataa tgcataaaaag aagacttaac 180
 ctagaacaat catcatgtta gtctataaca atcaatacaa ataccacatc tattaaactt 240
 gtttgacatt gtaaaattat taaacaaaaa ctaagacctt aagacatatc ttcatagttt 300
 tatgcttttg tccaacaata attcttcatt cgaaaatatg ttactactgt ttatattata 360
 aatgttaagc caaaatcatt aataagacca tctaaactca ttatcctttt tcccatactt 420
 ataatatattg tgccccaac ctacttctat taaatggtag acttataata 470

<210> 33352
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 33352

ctatcgagcg tctagctata ttacgagact caatcttaca tcatagatca acgttatggc 60
 cgtttgaata tgctcagagc ttcaacattc aatatcgagc atctcgacat gtatacggga 120
 ctcaatcaga catccgacat aagagttatt gtcgtttgaa ttagctcaga agttcaacat 180
 tcaatttcaa gcagctcgat atgttacggg actcactcat acattcg 227

<210> 33353
 <211> 402
 <212> DNA
 <213> Glycine max

ttntactcg gatgtctgat tgagtcccg aatatatcaa gacgctcgaa attgaatgtt 180
gaccctctga gcatattcaa acgacaataa cttttttctc ggatgtttga ttgtgtcccg 240
taatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
actttttact cggatgtctg a 321

<210> 33356
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33356

actcagctta acattcaatt tcgagcgtct cgatatatta cgagactcaa tcttacatct 60
gagaanaacg ttattgtcgt ttgaatttgc tcagagcttc aacattcaat ttcgagcatc 120
tcgatatgtt acgggactca atcagacatc cgagaaaaaa gttattgtcg tttgaattag 180
ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcatacat 240
tcgagaaaaa agttattgtc gtttgaattt gtcagaggt tcaacattca atttcgagcg 300
tctcgatatg ttacggggct taatcagaca tccgagtaaa aagttattgt cgtttgaatt 360
ggctcaaaga ttcaacattc aatatcgagc 390

<210> 33357
<211> 151
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33357

agcctatggg gtgttcgatg cgggtttatc tggggcggn aacgacattg accaacacct 60
tcttcacgt catcgctatc actatcatta tgatctgaat actgaatgta cgggtctaaca 120
agggatgggc tctaaaacat ggagtcacat g 151

<210> 33358
<211> 462
<212> DNA
<213> Glycine max
<400> 33358

acctacactt tagtaaaatc atccattaaa ttgcgacca ctctctttct ttctatacgt 60
 ggggtgcatag caggatccca gaggactatc gtatgatctt atatacacct acttaactca 120
 tggatacaat aaatattccc tttaacaacca tgtaatgatt ggtatagtag ggatttacat 180
 ctattaaggg aatgagccta tatttaacta tatgaccaa catctcatgt gtctactatg 240
 aattccagtc caccaaaata aaatgatctc gcggcagcgt tttaatcgct tactgactgc 300
 acggaagccc agacctgtgt tcacgccatt gagttccaac agtatatcat acttggtttc 360
 tttcaagaat gttatgtag ccatcttgta aggacactca ttagtttaga ctatagtggg 420
 gttcgacatc tattttaccc ataagtatct cactccacct cc 462

<210> 33359
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33359

agcttganat gatgtaatgt ggaatggtga gacttccttc ttttattggt gaccacagag 60
 tgggtacctg agatatgtcg cggnggtcaa gagaccttgt ggacatcatg tgggctgcta 120
 ttgccccaaa ccaagcttga ccaatccga cccaaccgg gcatagtcag tcagtggaaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataatagg aacaaagacc 240
 acaaagcaag gaggcttgtg tggtggctgg ctggctgtga atcttgtgtg atatatgggt 300
 tatggcctct ggtaatcgat tactaagggt gggtaatcga ttac 344

<210> 33360
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33360

cttgaggaag cctcttaatg aagctacatg gagcctggct cgtattaacg attcccaacc 60
 cttcgttaacc attggatctt ttcgaaattt ggtctgccgt ttcaaaagac aagtttccac 120
 gatctgacca atgggatctt tgagaagatg tctggagtgt gcgacacatt tcctgttccg 180
 agagcattgc tcactttggt tggttgagcc ttgtaatcca agtagcttat gaaaaatgcc 240

attccttctc ctttctttct tccaaaacca ttccaatgg ttcaagctct ttcttcatca 300
 cccacagcca ccattagcca ccacaaaccg ccgttggtct ccgttgaaac cccacaccg 360
 agaggtacac ctttaccoga agcggaatct tccaacttgg cttgtagttt cggtagccaa 420
 cgaaaaccta atccgacctt ttcattttct tcaaggtaac acggtctatg tgatcn 476

<210> 33361
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33361

agcttggttaa attgtggttn tcttgatgaa gattntatgt gcttcagttg ttntttttta 60
 tgtgggttttg aagttaaact aaagtagttg tgtgctttgt gaaatgggtt cagggctctt 120
 tggggctaata aatgtttgtg gagagagaag atgatcgttg tgctgagcat gattattgat 180
 gggtagcaga agtagaacgg taaacgttaa cactaatgac actaacaagg ttctgaacgg 240
 gatgccaagc tacgctctc cattgccttc ttctaattcc atgtgaatct ttctgaggac 300
 ccttatgtcg ttaatgttga tttcgttcta tattgagcta tgatagggtc ctggatcgta 360
 gtttgcttcg tttatgattc tcatgtggga gattatttat atggtgcaat atttgtattc 420
 tagttaactt tatgaact 438

<210> 33362
 <211> 191
 <212> DNA
 <213> Glycine max
 <400> 33362

tatctctatg tgctttgttg gatcatgttg aaaaggattg agtgcaatgc tgatggcgga 60
 cttattaaca caaaccagtc caataagagc attatatttt attttgaggt catcaagttt 120
 gatcttcatg cataacaact cactaaactc ctgagccata tctctaaatt ctgctactgc 180
 acttgatctt g 191

<210> 33363
 <211> 418
 <212> DNA

<213> Glycine max

<400> 33363

agcttctgtt ttctttttcg agcatcttga tatatgacgg gacacaatcg gacatccgag 60
caaaaagtta ttgtcatttg aattttgtga gagcttctgt attcattttt tagcatcaag 120
aattattaaa tgactcaatc agacatccga gtaaatagtt attgtcgttt gaatttgctg 180
acagcttctg tattcaattt cgagagtctc gaattattaa atgactcaat cggacatccg 240
agtcataagt tatcgctggt tgaatctgct cagagctttt attttcaatt tcgagcgtct 300
cgatatatta tgggactgaa tcggacatcc gagtaaaaag ttatgggtctt ttgaatttgc 360
ttagagtcac tgggtctcaat ttgggtgcgtc tcattatact atacgactca atcggact 418

<210> 33364

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33364

ataagcaaat tcaaatagaca ataactnttg actcggatgt ccgattgagt catttaataa 60
ttcttgacgc tagaaattga atacagaagc tctcaccaaa tttaaatagac aataactntt 120
tactcagaag tctgattgtg tcccgtataa tatctagatg ctcaaaattg aaaacagaag 180
ctctgagcaa attcaaacga caatagcttt tgactcggat atccgattga gtcatttaat 240
aattcgagac gctcaaaatt gaatacagaa gctctaagca aattcaaatg acaataactn 300
ttgactcgaa tgtccgattg agtcattnta taattcgaga cgctcaaaat ngaatgcacg 360
agctctcacc anatntaaat gacaataact ttttactcag aagtctaatt 410

<210> 33365

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33365

agagggaaat ttgattcgtg gcaactgcgac acctgaactc tcagcactac gctcncttgg 60
agcgtcttgc ttacctcgac acgtataact tcactctcta caaaaacgggt gcagtcgccc 120

<400> 33370

cgtaggatta tgggtgtaccc atcacatgtg gtactaggtg gcggttggca atgtgcacac 60
aagtttttcc cttccacatg cgcgcataac ccaaccttcc ctggttgcct accttcactg 120
gactcaccgt cttccacggt acccatattc ctcggttctct aaccaccggg tcccattaat 180
tcttccaagc ttacacaaca ttccagcaaa acaacattca cacagcacia gctatcacag 240
cccaaccaa acagagccaa agcagaaaac tctgcaaaa caccaaccaa aaatcacaag 300
cttttccact caaaaaaccc aggtaccaat tcttcgatcc aattcgataa ccgttggatc 360
gactccaaaa tttacttgaa gtctacagtg cataagccta cattttgacc gtggggatct 420
actatcatatc attcagaact cattctacat tactcttgtc acacg 465

<210> 33371

<211> 355

<212> DNA

<213> Glycine max

<400> 33371

agcatttgat ttgtccaact tatatccacc cctaattgta ttgatacaaa ataaagaatt 60
tttatcaaaa aaaaaacata ttcattacat caaaatgtaa aaggcattta ttttcttttt 120
catccattaa aacctttcta attttghtaatt tttaacaaaa aaagaatatt aaagagaaaa 180
acctatgatg tattttttta tgagactatt atgtattctt atatctgtgt tctagtaata 240
caaaattaat tgtggagtga catggacca aaagttatat actaatataa ttogattttt 300
ttctaataata cttttagaga taatctcata atattgtcat ttcaaaaatg tgatc 355

<210> 33372

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33372

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ttgatacttt aaagacaacc ttagccaaac ataaattaag aatttataaa ctctgaccat 120
cataattggt ctaagctcaa ttgatatctt tgatatgcta tgtatgctcc ttgaatcaaa 180

atttatataa tttgtcttca tcaaaatggg gcagattggtt agaattggac aacccatcat 240
tgaacgatcc attcattcct ttttaagtttg atgagtaaca aagatataaa tntatgacca 300
ctaataactt acacttaaaa gtgcaagaca tgtcatatgg aagtattatg gtaataactt 360
ctatctcttc agctcctttc ttgattgtcg ccactcttca atcctgtgcc tattttttaa 420
agaataatca catat 435

<210> 33373
<211> 384
<212> DNA
<213> Glycine max

<400> 33373
agcttcctta gtttgagaga agcttatgtc atggctgccg tgcaaactca gttgactaag 60
gtcccacttg acgagatcat gatcagagaa tttgctgagc ggcacttcac ccataacttc 120
gcttctcata atgctggcac aattcttata ctctacaagt atgagaagat tcatctttct 180
gctttggaga catatgcaca ttcgattcac tgtgctattg atagcaaac cactgccaaa 240
cactgtcagg aatcattcat ctacagtctt cactccattg tggcaagaag agctcattcg 300
gataatctaa ctatgtatca atgttaatat gaactgcacc togetcctca ttggagagct 360
caacttcata ctattctcca ccga 384

<210> 33374
<211> 62
<212> DNA
<213> Glycine max

<400> 33374
caagttgtga gctgtgtctg atctaccatg gctgcaaacg tgtattatta tttgggactg 60
tc 62

<210> 33375
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33375
agcttgtagc atattcgaac gacaataact atttactctg atgtccgatt gagtcccgtg 60

atatatcgag acactcgtaa ttgaaaacag aagttctgag aaaattcaaa cgacaataac 120
 tttttattcg gatgtccgat tgagtatcgt aatatatcga gacgctcgta attgaaaaca 180
 aaagcttgta gcaaattcga acgacaataa ctttttactc ggatgtccga ttgagtcccg 240
 taatatatcg agacgctagt aattgaaatt agaagctctg agcanattca aacgacaatt 300
 acttggtgact cggatgtccg actgtgtccc gtagtatttc gagacgctcg atattgaaca 360
 ctgaagctct gagaaaaagc aaacgacaat aacattttac tctgatg 407

<210> 33376
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33376

tnggagttgc gaaagcccca cttcatcatt aggaataata ccttacatct taaaccgacc 60
 aaatagacct aaccagacca ttatagttgc tggttgaata ccttcaccac ttcagtgtat 120
 cacacaatta tggcttttct ctaatgaaac actcttgcct ttttaactc taattccoct 180
 ttgagttcta agcaattcaa gagattatgg ccacaacaaa gaacaattca ccaatatgtg 240
 taaggtaagg ctagacaatg aaaagggttaa ccaagattaa ggctaacaat ggttttatgc 300
 acanatgaag gaaataatat tcagaattta ngaattcang taacaatcct tcatgcaacc 360
 aatatattac ctttaaagag ttntttcttn taagttcttc angcatgaac cattcagccc 420
 actttttttt attntaata tnnttatcac aaaatcgctt cctttctttc c 471

<210> 33377
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33377

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 gcctccattt cactgtcaac gtgcaagact aatttctctc tgcaaaaaca ttatgttgca 120
 aatcccaaca gtgagaatat gcaaaacagg ttctaaaggt ggttccaaat tcacgatgat 180
 ccaacgggtg acgagtccat gatcataatt ttactgggac agatttgggt gtatgcggga 240

gttatcatgc tataattggc cattatcctt tntctttcct ctatntcctc tagtaataat 420
atntctcttg gtgctcatct taatc 445

<210> 33380
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33380

ntagtgactg tgtgtgacga caaatcttat attgagtgtc ctcatggata tgttctacaa 60
tcggttntgc atgaatttct aattatcata acatatgatt catggaagtg atctgggcat 120
tctttctttc ttacattttt ttagccatgg gccaaacagc tatcccaatg tacattatct 180
ttgtcatttg caagccctt tgagtcagac acttgatatt ttattgaatc acaaacctaa 240
gatgaaagtt tcctacctta ccttaagata ggagagcagg gatgttntcg atggagattt 300
ctatcattta gtggctagtt gttggtattg 330

<210> 33381
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33381

tttcttcaca gtttatctnt ttcaaacttg agttttggaa gaccaactac taagtctttc 60
ctaactagat gatataaacg atggatgtta atgtgttcaa ccctacaatg ccacaacctat 120
gaatcatcat ctatcttact caccaagcaa cttagctcat gaaaagatgc atgctcaaca 180
ttcagcatat aaatattacc tattctctta ccaatgtgga caactttacc agatatggct 240
tcacttataa gatagcaatt tctgtcaaac tcaatcttga aacctttatc gcatagtgtga 300
ctaattgtta gaaagttatg ctctagtga tccatattga gcacattctt tatctgagtt 360
ttgtgttaat tccctatatt tccctcccca gtatattttg ctttgttatt gtctccaaac 420
atgacata 428

<210> 33382
<211> 397

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33382

tcatgatgat gaatcaagtt gattcaagta gttttgatga taacttagat gatgacaaan 60
agcccaagag aatgatttca agattgactc aacacgtttc aagaatcaag agaagtttga 120
tttcaagatt caagagaaga tgaattcatg attcaagaga agatatcaag aagacttcac 180
aagggaagta ttgaaaagat ttttcagaaa acaaacatag cacagttttt tttttcacia 240
cagtttttct caacattttc taagctacca gagtttttac tctctggtaa tcgattacta 300
gtttcctgta atcgattacc agtggcaaag tttgatttca aaagttttca actgaatttg 360
gcatgttcca attaatttca naatggtgta atcgatt 397

<210> 33383
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33383

acactctaata actaagcttg gacgccatgc taaatctatc ccatggtctt tttattttgt 60
aatagtgcac cgccttttaa attatgaata taattttttc taacttacct ttattatatt 120
atgagtgtag aagataataa aatcatataa tattttgaat atttaaggaa ggggaattcag 180
caaaggaact tgtttgctta taatcgaggt atctaataac attcttattt ttgtgcataa 240
ccttaaatta tatatgaacg gaatcaatcc tgtgatcgac aaatctgtat atcgatactc 300
atttggtgag cgctntgtcc atgttacatg aa 332

<210> 33384
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33384

ggcatgcttg ctacngcact tgatactggc tctatacgag cctataatag cacgtagtaa 60
tttgactacg ctcgagtaat gtacatgtta tggttatatgc agtcaaggat acatcatggt 120

tcattcttgt ttgcgacctg tgttctatta tatgcagacc tgcacttgtg tattgtgaca 180
ctcacactaa gtgtcccaca aaaaatgcta aaaaactaga aaagaatggg cgtgttagaa 240
ctttgaacac cacaagaag catctagatg cattatcttg gaaacacaat caaggagcaa 300
aaccctattc tacgatctct ctgaatttga accaatcgag acaaagtgag cactcaacgt 360
acgaccgtag caaaggacgg agcatctaac ggtatggtca tagatacata caaactgtag 420
accatctgac atccaaccg 439

<210> 33385
<211> 457
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33385

ccaacattca acttcgagcg tctcngtata ttatacgact caattagaca tccgagtant 60
aaaggatttg tcgtttgata tntctcagaa gcttcacatt caatttcgag cgtctcaata 120
tatgacggga ctcaatcaga cattcgagta aaaagatatt gtcgtcttaa ttgggtcaaa 180
gcttctacat tcaatttcga acgtctcgat atatgacggg actcaatcan gcattccgtgt 240
aaaaagttat tgtcgtttga gttgggtcag agcttcaaca ttcaatttca agcgtctcga 300
tatatgacgg gactcaatca ngcatccgag taaaaagtta ttgtcgtttg aatgggtgag 360
agctcaacat caatttcagc gtctcgatat atgacggact catcagacat cnagtaaaag 420
atatgtcggt gaattgctag agcttcacat tcattcg 457

<210> 33386
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33386

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atatgtcaaa ttttaaaatc atttacatat caaatatgaa tttcatgatg tttcgagtac 180
catatactta tttatgaaag ctacaagatt caccatttgg aacttgaaag ggactatgaa 240

gtgtaggata gattataatc atggtaggaa gactgtaaaa antggaaatg gatggaggaa 300
 atttgcacaa tcatagaatt tgcttactag aactcaaatc atattngaatt tcctagatgc 360
 aacttctaac tttgtttaat ttggatttgt tggaattaaa gtatattact actgcactat 420
 tatcaagtta taa 433

<210> 33387
 <211> 53
 <212> DNA
 <213> Glycine max

<400> 33387

tgtttgaagc gatcccagtg ggcttgaatt agtgaagtgt caatcgtcac gga 53

<210> 33388
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 33388

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 acaaaaaact gaattagtga gacatggagt tacaagattt gctaccactt tcttaacttt 120
 gcaaagattg cataagcaaa aggccaatct tagaaggatg tttacttcag atgaatgggtt 180
 gaagtctatg gcagctaaag agcccaaggg gaagcaagca acagatgttg ttcttatgcc 240
 atcatttttg aatgatgttg tctatgcttt ataggctatg gggcctcttg aagtgtgtcg 300
 atgtggtgaa taatgaaaaa aacctgaata tgttcattta tgaacaatgg aatggccaag 360
 agcttcaata caatgaaaga tagatatgga ta 392

<210> 33389
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33389

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 agatcttttg agcgcggatg atgacgtaag tctccgcgtg taaacaggct tgcggccgc 120
 gattgacgaa tggcgcagga gacgacttta gtctctgcgt gctatcaggc ttctcggctt 180

tcagatagca gaaaggttta tacggataac cacgcgggta tctccgcccg tcagcgtgac 240
tcattagtca gtatgacaga tcttgtgagc gcgtaagatg acgtaaatct tccgcatgtc 300
aacgcgctag ttggccgcgt ttgactaatg gcgcatgaga cgaccttagt gtctgcgtgc 360
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<210> 33390
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33390

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aaagccttct tctataaatg gctntataat cgtttagtaa aactggtaaa tgattaattt 120
gacgactcta gccaaatttc aaatagaagt gagttgtggt gcttgttctt acacttttga 180
attgattaca taaccttgta atcgatcaca ttgtgttgaa cttatggctt ctaagaaact 240
ttgatatcaa tccatgcac tcatcatgtt gattcacact aagcatggat aaagaaaaac 300
taagacttaa tctaccaccc atgcctagac taatacatc aatacaaatg ccacatcttt 360
taatatgtgt ctaacattg 379

<210> 33391
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33391

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anggaagaat atctccaaga acaccctctt aaggatcatc caactaaaaa tagacctgcg 120
agcaaggtag tatagccaat cttttgtcac tccctccaga gaatgaggaa cagcctttag 180
aaagatatga tcttcttggc catcangggg cttcatgggtg gaacaaacaa tatcgaactc 240
cttaagatgc ttatgaagat cttcacctgc aagaccatga aactngggca gcacatgtat 300
tagtccagtc ttgagaacat atggaacacc ctcacatga tattgaaagc acaagctttc 360
ataagtana tcaagtgcag ccatctccct agagtctctc 400

<210> 33392
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 33392

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 aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120
 aaggtgtatt tgttacctac atcacacaca ttctctttgc taaattcaca tacatgcata 180
 ctctaagcac ttctggctatc gaaaattgca tacgtgcaca tcctgggtatt tctaatacct 240
 atacatacac aaactttatg ataaatcttg actatctaca caataagggtg ctacatttca 300
 tgcttttttc aagtttttgc tacctaaagc cgcattgcaaa ttcaagtata tttctttttg 360
 ctgactaaaa ttgtattcaa aataaa 386

<210> 33393
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33393

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 gctaggggtg tgtgtagcta agctctagct tctcaaggaa gtttctcaag gaagttacct 120
 aggctataaa tagaagcatg tgtaacactt gttgtaactc tgatgaatga gagtcttggtg 180
 agacacactt canagttcca cttctctcct tctttnttct ccttcaatgt cgtgcccctc 240
 cctctctctc tctctctctc tctctcattc ttttcatcca ttgaagcttc ctttctaagc 300
 ttcttatcca aggtttattc cctagtggat gatgctcct ctcatctctt ctcttatatc 360
 ttccgctgca tatccatggt tgaaaatcac cattgaagaa cttcattg 408

<210> 33394
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33394

<210> 33399
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33399

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 aattagtcac aacccaaata taatccaaac aatcataatn taaaaacaca taanattcaa 120
 tcataaaaga cttaaagtcca aataccaaaa gataaataaa gtgcagaaaa tgataactna 180
 tataccatag ccaaaatata cggcttnaaa agaaaattat anactaaact ctaagactgt 240
 ggacgtggtg gtggaagatc gaagctctgg cgaatataac ccacatcttc ttca 294

<210> 33400
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 33400

agctaacaca ctttgtggac gtattttctc atgtatagtg taaaattagt tgttcatggt 60
 tgagtgtcca tttgcaagtt tcaaaactac gtttctgac caattcgatc tggagtgtta 120
 ttttagtggt ggtatattag aataaagtgt tgtgtttgct ctaataatat tttagccatt 180
 agtatccaat tagatgcatt agttgcttga aatataatag accggacata attcggctgt 240
 tcaaaatata taattttggc aaaatacttt tgccgcctaa atatcccca taatattggt 300
 atattacatt tcgataatga tc 322

<210> 33401
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 33401

agcactatat gtattgatat gactctttac aatcgattat gaatgacaac gttcatatac 60
 actagaaatc gactaccaat atcttgtaat cgattacacc attctgaaat caattggaac 120
 gttgctcatt tagttgagaa ctttttgaaa tcgaacttcg cactggtaa tcgattacag 180

gaaactggtg atcgattacc tgagagttga aaatctgggt acttagaaat gttgagaaaa 240
actcttttga taaacaaaac tgtgctatgt 270

<210> 33402
<211> 400
<212> DNA
<213> Glycine max

<400> 33402

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atgcctcctt tcttgtgtgt aacagataaa tccaaagttt ccttgtgaaa tcatcaacta 120
ttgacatgaa gtatctaact tttccctttg attatacctt tgaaggccct cacaagtcaa 180
aatgaatgtc atccattcta ttcttgttgg tgagcattcc agtactgaat attactatgt 240
gacacttacc atacacacag tgcacaaaa aaggcttcca atttgtactc tccaactgac 300
cttggtgctc aattcaacat accattctac taacatgtca gcctcatatc cataactttg 360
cttggcagat attgtctcac actaaactga tcctatacat 400

<210> 33403
<211> 406
<212> DNA
<213> Glycine max

<400> 33403

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atagcaaatt aaactgatgt aaatgtgaag caaactttca cctcacacaa gtccataacg 120
tcaatctata cttgctcaaa ctgaatgtat acctaaaatt ccaccgaatc aaataagatc 180
ttcatcacca ttttgcccta gaaaagctct cagtcacttt tgtcatatgt actcccttag 240
cacagcaacc tatctacatg tctacatgac atttcagcta agatgactaa attaacaactc 300
attaccacat atatagaact taccctccca cgctcaagcc aactctatt cactcattaa 360
caccattat cacttttacc gtaggtaaaa tacatttatc tctacc 406

<210> 33404
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33404

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tagcgtaca tcaagcgta acttacagag agtaagtctt gtctttttca ctttcaagaa 60
ttcanaagcc gtaagagagt ggcgcttatc gcctcctgtc ctgctcaccc cagcttaaaa 120
actcatgtta taaaatggat ctgcgactta acgtaagata ttgcacttag cgctgctaca 180
atgaaatctt tcttgagaaa aagtggcact tatcgcatca tccacgctga acgcactgtg 240
taaagttcaa ttaccgagaa gatgtggggc ctatcgcagt gatgtgcgct ttgctgaact 300
atcagcc 307
```

<210> 33405
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33405

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ctttgcaact taaaatngag agcatgctta atgctttaat tgatagatag aacacagttt 60
acgagttggg acaagacctt gccaaattca tgaatgtcac accaaaatct tgaaaactga 120
ttggaagtaa aacttgcac ttttataaaa ttccattatt atttgaaggg catataaaac 180
aaatgttcat agtagaagaa ttacactat ttaattaaaa aatgtttttc taaaaaacac 240
ccacatttaa taatgtagaa ttgattacaa aaaaaaatgt agaatacaat ttataataaa 300
taaataataca caaatacgga atgcgagggg aaatatccat taaatatata tntagctcta 360
tacatgttga ttaagttatt agttacttac agctgttaaa agaaaatact aa 412
```

<210> 33406
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33406

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tttctngcgt atgtttatga gttgaattga ttgactgcat gaatgtattg aattgtgacg 60
tgtatatcat atgctttgaa tatgtatgct gtgattagaa cagaatgaac actattttacg 120
agcatgactg acattgttac ttggtttgac tgcaaattat atgacattcg ttagccatat 180
ccaggtggat ttgtgatctc taattgtgag agaacgacta gcattatgta ctcagttttg 240
```

catgaatctc tgaatattga atgactgcat gagtctcaag aatacgaatg ccatgattgt 300
tcgacattac ctcttatcca t 321

<210> 33407
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33407

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atagggtcag taacagttcc acctatgtnt cattacaaca acagagcgag actagaattg 120
acttcatgga agacaaggct gacctcatcc attggaatta cacttgatgg aaaattggta 180
tcatccctta atggcttcta gagctcgagt tactcggggt gttttgtggt ttcacatgc 240
tactgtggcc ataacagtat aaacacaccg caactatcta cgtagataaa acctcatcat 300
ngcgctaggt agaataagaa atca 324

<210> 33408
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33408

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aatttcgtcc ggtgattatg attngatgat atacaacctc tgattggccg cttcaagata 120
cttggcacc c tgtgctgcac aatatgtgaa ttcccgagat gtgccccaaa tcaaaaagaa 180
gcatgcgtac gcgatccgtg aaaatttcgc aatgtgacat aaatcgtatg gaagtgtttt 240
tcgcataccg cga 253

<210> 33409
<211> 304
<212> DNA
<213> Glycine max

<400> 33409

gtcattctac acctaaataa gatgaggaca tagccgctct taagatatataa cttcctaaca 60

aatattttca tgcaggtgga gcttcttcta gtaattttaga cttaccgcaa cctcttatcc 120
ctcttccatt cccacctaga gcaattccag acaaaaaaat ggaagaagta gaaaatgaga 180
tcttgagac cttcatgaaa gtagaggtga acatacctct tctagatgcc atcaagttta 240
ttccaagata tgccaagttt ctaaaggagc tgtgcaccca caaaatgaag ctcatatgca 300
atga 304

<210> 33410
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33410

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tccactaagc gcaacactca tgggctaagc gcgaggaaga ctctggaaga agatgagttg 120
cacagattcg ctaagcacac cgcttcatct cactaagcgc actgcttcag ttcacccggt 180
aagcgagaaa ggcacgtgct aagccaaaat tcactaatgt gcactaagcg gtccataagt 240
gcgcttagcg cagcagcacg aacaaggcca cctatttaag cctgaaatca gattctagag 300
agagagtttg gactgggatt cacagctttg catgtctaga gattctaaag ag 352

<210> 33411
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33411

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ctatgattgc ctttctaagt tcttcaaaaa ctaaggtttt atttaatggt gtttggtgtg 120
accaactata gtnttacaca tatgaaagct tgaagcaagt gatgccatct agtattcaac 180
ccaacacggt tcagactgtg agttaatggt tgttccttgc tcttaaccat catttntttg 240
tctcattgca atgaatgtaa ctgggatgat tttaaaatt tctatangca gtgtgtggag 300
gattagctgg atctatggct gctttattca cgactccttt tgatgtgatc aagactagat 360
tacagacaca tgtatttaat tatcatgccc ttcaattgta taaattctta ttgctactac 420

tggtgcagcc atctaattag atgttg

446

<210> 33412
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33412

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gctaatttct ttgtccttga actacactca acgctattng caccaaaatt attacaaatt 120
atggtgattc tgggtggtttt taggggttcat atggtcgtgg tgggttttct aaccgcagtg 180
ttagatgcgg tgggtggtggc tccagcagaa gtcgtggtgg tggtcagttt gccaaactttt 240
agtatcaaca tttgccttaa gtatggacac tgcgcaattt tgccacttta agtctgatat 300
gagttttcag cctcatgaat cagtcacctt ctttgattct accacacttc naccaattcc 360
ctactccact ggttcaatca gagcttctaa tacctggatt aatcctaatt c 411

<210> 33413
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33413

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ttgacctga cttgatagaa cctctnttta agcanaggcg cctgactcga tcccatgttt 120
tactaaagtg aaacaaaacc cagtgcgaat caagactccg acatctatca tgggtggaat 180
ggatgaatgc atgaagaaat gcatatgaca cagaccctcc gtcgagattg tcctctttct 240
agatacaaca ttcgggcagc atggctcctg atgtatgcat ntaagaaggc gacacgaacc 300
ctccgtcggg tcgtgacaaa gtgaggggat caagacgcaa cccatgcatg atgcggatgc 360
gataaaggca caacacgagg atgtacatag tatgacaata tccacaaata atcatacagc 420
aaaggcgtac atgacatttt taaactacat 450

<210> 33414
<211> 426

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33414

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gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcaa gtgnggtgct 120
attgccc aaa accaagcttg accaatcccg acccaaccg ggcatagtca gtcagtgaga 180
acctgtgatg tacctaagcg ggcgagctcc tggcagtcaa cagataaaaag gaactaagac 240
cacatagcaa ggaggcttgt gtggtggctg gccaaactgtg aactctgatn gatatatggg 300
atatggcctc tggtaatcga ttaccaaggg tgggtaatcg attacaacgc ttaaaaatga 360
agacaggaga ctaagatggt ctctggtaat cgattaccaa gggagtgtaa tcgattacca 420
agcttg 426

<210> 33415
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33415

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gcccctactt tcgaggggca actccacact tatgaagact atcccgggca agacaatgag 120
gaaggagata cccatcttag cccctgctc cacctcaaag atccgtcccc ccatgaacta 180
ccccaaccaa acatagtccg ccatatcccg acttcacca caccgtaaa agaattctgtt 240
cccttcgtgg aagataaggg aaagattgag gtgcttgaag agagggtgag agcagtcgag 300
ggcctcggca attaccatt ctcggttata gcggatntat gtctcgttcc caacatcgtc 360
atccctccca agttcaaagt accggacttt gataagtaca nagggacgac atgtccgaat 420
gggcatcttc ggatgtatnt atcgaaagat g 451

<210> 33416
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33416

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ctcacagtct ttagaattgn gagccaatcc aatcccttgt gttcggactc tcaaccactt 120
atgatagccg gcgatgatcc cattactgct tcccctaagc tctctgtcct ttcttcacgc 180
cgcatcccat gccttgcgaa ctcccttgag taccctcgcg ttgtgggtcac cgaaaccccg 240
tgcgatgaaa ggcgtgatgc tttcgtctga tggcactcct ctcatggggg agccaagctg 300
tcttatggcg aggacgagat tataattaat acaacccctt gttccatcaa gggaacattt 360
ggacatcctt cgcatgaaga tagaatccct gattc 395

<210> 33417

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33417

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tcctcacgtt tgggtttttta gggaaaacac cataactaaa cgcgccgcaa gggatcccta 120
tcgcaccaga tccaaatcta gaacgatggg tgatcaagag gagacacagg aacagatgaa 180
agccgacatg tcggctctga aagaacaaat ggctccatg atggaggcca tgtaggtat 240
gaagcagctc atggagaaaa acgcggccac tgccgcccgt gtcagttcgg ctgccgaagc 300
agacccgact ctcttgcaa ctacgcacca tcctcccca agcatagtag gacgngaag 360
ggacgcactg tggcacgatg gcagccctca cctgtgatac aaccgaacgg cttaccctta 420
tggattgccg cccaactatt caccacccat cttgcaagaa gatg 464

<210> 33418

<211> 141

<212> DNA

<213> Glycine max

<400> 33418

gctcatattt atggggcaaaa tttggggggtt tatatgcttg atttggttaga gatgacgggt 60
tggaagggat ggccttacgc ctatgtggta ttctgaaaca atggggcatg ccacattgcc 120
ccattctct tgcaatttat g 141

<210> 33419
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33419

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 taatatatcg agacgctcga agtggaaacac cgaatctctg agcatattca aacgacaata 120
 actttgtact cggatgtcag attgagtcca gaaatttgtc gagatgcttg aaattgaaga 180
 ccaaagctct gagcaaattc aaacgacaat aactattttac tcggatgtgt gactgagtcc 240
 cgtaatatat cgagacgctc ggaattgatt atcgaagctc tgagcgaatt caaacgacaa 300
 taactgttac tcggatggct gatagagtcc cgtacta 337

<210> 33420
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33420

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 gaaatnttct catagccttc aacatttcaa gttgtgagcc gttttgatat nattacgata 120
 ccctcaatcg gacattccga gtaaaaaagt tattggctcg tgaatttggt cagagcttcn 180
 gcattcaagt ccgagcctct cgatatacta cgggactcaa tcagacctcc gagtaaaagg 240
 ctattgtcgt ttgaatatgc tcaaaaacttc gacattctag tccgagcgtc tcgatatatt 300
 acgggactca atcagacatc cgaggttaaaa gttattgtcg tttgaatatg cttagagctt 360
 ctgtattcca tttgagcgtc tcgatatatt ac 392

<210> 33421
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33421

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 caattgacat ctctttgact cttatcttct catcttaact cttttttggt ctaaggcaag 120
 tgattgagct taattgagaa ttgtagctaa atttcaaatt ttgtgcttac ttgacatata 180
 tatcttgtgt agggcctaga ggagactaca gaactccaaa tggaatgtgt aagtagtccc 240
 tagaaagttg agaaaaggat cttcaattgt gttacaaatg ctttagccaa ttctggcatt 300
 tcaagggtca cattgagctt ggaagtcaga gcctctgcac ttgaataatt gngctataag 360
 tttggacttt tatcttctga attagtttag ttaagtagtt aggtagttat tatagtattc 420
 aagtaagtca ctaacactct atatat 446

<210> 33422
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33422

ctgagataca tgtaaccctg tggcatcatc aaaacattca gcttgatcct ttgtctacaa 60
 tctcccccta tatgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120
 cccgttcaca tagcccttac tccccctatc ttttggcatg tatgcctaac tttaatgatt 180
 ttaattgatt tctaaccctg gttctctccc cctttggcaa catcaaaaag aataagcaag 240
 acaatcaata gataaacaga gtcaaacatt aaacccaaat aaatccatac attgtcataa 300
 tcaaccaaag caaagtctag aaatataata atagtgcagc attacgataa ctagagcaac 360
 ataaagccag atacacggtg atgaaacana gtactaataa tacttaatac ctaatattac 420
 ttagtcataa taataacata t 441

<210> 33423
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33423

tgcatgcgtg catgacgact ctacatgatc cgcgtgagcc ttgtcgtat gtcccgtatt 60
 atgaggcgca cgccacatca ctggccgtcg catcagcagc tagtgactgg aacgaccctg 120

tcgttgccca cctgactcga cttgcagcga atacttcttt cggcagctgg cgtagaacct 180
aagacgccgg cccggatcgc actttcctca tgtegatctg ctgatggcga ctgggtcctga 240
tgccgacttc atttcttaca cctctgcgcc gtctatcact accgatattg tgctctctca 300
ncacgagact gatatgccgc cgcatactg tctcaggcca gcaccctcct acatcagggtg 360
cgcgacttaa tgacagcgtc tgagcagaca cgaacatgtc gacaactgag tgccgggggta 420
gtcaccaact agtggcgtgg gacatcagcc atcgcg 456

<210> 33424
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33424

tagctttctc tagttaatta tcataagacc ccacaagaaa gcttccatgg tgatccctac 60
aaatttctct aaaccctgcc taagatgggt tttccaaaag tcgacttaga atctatagaa 120
tttaagataa tttttctaata tacaatctta gaattttaaa aaaaattaaa aaaacctaca 180
gtaatatattt tttatcaaata aaaaactcac cataattgac tatagaattt acaaatcata 240
tttgataaaa atcatctctc ttcccaagat gatgatattt tgttactcaa taaaattaat 300
tntaaattca tgattgattt ggtgaataaa atcttanaac ttataagaaa gtgcgatttt 360
tcccctaatt ataccatgca ataataataa aaaattcaaa tgagattnta aattaaatta 420
tatatgaaga atatttta 437

<210> 33425
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33425

tggaccaagt tacttgtctg cttgaanttt tggatttgtc aactattga actataatta 60
ttctcaaata ctctgattga tgattttag ttcatacagg ctctgggttat cagactcctg 120
gtttaatgac ttgtgaccaa aattgggttaa tcagttttta tttttttatg tttagggtgtg 180
gactttggaa tatcttattt tagaattcat atatcttgtt ttatgggtggg aaattaaata 240

aaagtataaa tctggtatgt gtgatattca acgataataa aacaagtgat aaatcaaata 300
 ttatgttcca ttntataaat acactagtgc tttatgggtg tgcctcttgg cactcccact 360
 agtcccactg ctctaacaat tattttatac ttcaaatacc cttcattgaa tactttgtcc 420
 ttatttc 427

<210> 33426
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33426

ggcatgttta tgcttgtggg attttntgt gatagtgaat tttggccgga gaaatgttga 60
 gtgaatagat aaaagtacct taccgnngat ttgtattttt tatgaggtga attggtgttt 120
 ttacatttgg agttctatag tagcataggc atttgtgaca ctttttctac ttgtganatg 180
 ccgagtattt gtatgctgca acttcttgca cnatgtcant gctcatttgg ctaagaaaga 240
 ttgtttggag gatacttcta gttgttgcaa taagggaaaag cacattagat ctattgttga 300
 tatatagata ctgcacaaag agcttgccaa agaatcccgg tgttctcatg aacgaagtaa 360
 gcatatagat acaacgtatc atttcattag agagtgcatt accaagaaaa gaagtagaat 420
 tgactcatgt gaataactcaa gatc 444

<210> 33427
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33427

ctatntggct ttctctntat tatgaacaaa gatcgaagcc atatcttagc tagctacact 60
 tgttcataat aatgcacaca acttcgaaag tggttgcaca cttaatcatt tacaaaagaa 120
 gatttttaaa gttttatctc atagaaaaca cttcgtccaa gaatataagc catatagagt 180
 atactagatt cttanaaaaca tttatgatat anaaataata tntttatata gactagatgg 240
 atgctttcaa ttaagtgaac acttangtat atagaaaaaa acatttgacg gcttatgtta 300
 agtagatgga ttattanaac cctagatggg attgtgatgc tagtcttaat gatacttgaa 360

gaatntacaa gacatacaca tgacacagac cctagctctt caatcttggt ctttgacctt 420
ga 422

<210> 33428
<211> 268
<212> DNA
<213> Glycine max

<400> 33428

acctcatttc tgtagtcgac gacaacgctc gacttgtgaa cttatctgcc aagagtatat 60
aactggaata actaatgtgc ctttatcaca tctcttcaca cagtaatgct gagcaaata 120
atgtcagcat tcaactgtcta tctgcattaa gtaatgagga aacgacgaga acagaacctc 180
tgaaaatttg aataatctat ctatcactcc aacgatcgta tgatcatgta tgcattcctc 240
ttgctcataa atcctactgg gttcaact 268

<210> 33429
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33429

tgctgatgtt gcaggaacat atgggtgaaac aaccttgctc catttctttg ttaangagat 60
tgttcgctcg gcacgaatca cagcttcata caggatcatg cggcataata actaatacat 120
aactgaggaa gagatcgatg atacgtatgg acataatacg actagaactc gtttctgac 180
taagtgtga gttatgcgct gttaagatga cactcacaat tgactcggat gtccttgac 240
gctctatctc aaacctatca agtggatcgg ctaacatgca gaacctgtta acgggtcggt 300
tgtgtgagga tgtaaagagt gacagctttg tcatgtctat gaagtggaat cagaactatg 360
cacaca 366

<210> 33430
<211> 336
<212> DNA
<213> Glycine max

<400> 33430

agcttttact ttatctgtaa gctgtagcca ttaggtcgat caccatgtag ctaatgttgc 60

tccccctatc tctagcatat catatgtcaa taagtacttg cagtttctca tgatgaaaaa 120
 tacttgaact atggggcatg tcacttggtt tgaaacttta ttgagactaa ggtcgatcac 180
 catggttagg aagttgattg agcacgacat ggtgacctcg acacttggtg cctagtttta 240
 ctaagtgaag ggcgcgtgtg gacacactta agctatTTTT tgactaatga taccacattg 300
 catctgatat atgaagccta gtgcttgcat cataact 336

<210> 33431
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 33431

gtgaatctct cccacgtctc acggagtgtg tegtcatacc cttgttataa agtcgctatg 60
 aagttttgct gcacctctta ccaagtattg atgctattat tcggatgtga ttggagccat 120
 gtttttgcct tacctgcaa tgaaaatctg aaagctctga ggtagacagc tacatcatct 180
 tcatgtgatg ctcccatggt actacataat tgcacaacac ttattgctga aaggaggaat 240
 gactatgttg gtgatatgct atggtccttg ttgattagca tagtcaccaa gagt 294

<210> 33432
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33432

agctntggga ctgtaaaact atataacagc accaagggtc tagtttaggt ctctcttcga 60
 ttattcgttt ttagtttttag tctctctctc tctctctctc ttcttctctc tcctatcttc 120
 gtttttagtt ntaggctttt cttagacact nttttgtttt gcaattccag ttttgacttt 180
 tcatttttagc aataaaatnt tgttcttcaa tctataatct cgttctctat tgattaatgg 240
 aaggctagat tttctggtgt tgttcctttt gaggacgaag cccaactctc tntgaggttt 300
 cgctggcaat gtggtttcct ggcagttntc ccttcaccag ttatcccaat ttcgtgaata 360
 ttaatcagtg cacgcttcgt gttcgattaa ttgcctctga 400

<210> 33433

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33433

tatagaatat ataataagag atctatgact attgaagaat ctattcatga ttcctttgat 60
 gagtctaattg ttattcctcc aagaaaggaa attctagatg atattgcaga atcttttagaa 120
 aaaatgcata tttatggaca agattctaaa ggaaaaggga aaggaagcaa tgaagatcct 180
 ccagaagaag ccatatcaaa ttatgaactt ccaagagaat ggaaagcttc aagagatcat 240
 ccccttgaca acattattgg tgatatctca naaggggtaa caactagaca ttctcttaaa 300
 gatntatgca ataatatggc ttttgtgtct atggttgaac ctaaaaatat aaatgaagcc 360
 ataatagatg atcattggat agttgctat 389

<210> 33434
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33434

agcttgaaat gtttaagtgt agaatgttga aacttcttgc tnttattcgc tgaccacaga 60
 gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcaa gtgggggtgct 120
 attgccccaa accaagcttg accaatcccg acccaacccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaagcg ggcagactcc tggcagtcaa cagataaaaag gaactaagac 240
 caciaagcaa ggatgcttgt gtggtggctg gccaaactgtg aactttgatt gatatatggg 300
 atatggcctc tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttaaaaatga 360
 agacaggaga ctaagatggt ctctggtaat cgattaccan aggagtgtaa tcgattacca 420
 agcttga 427

<210> 33435
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33435

tatccttatg gcttgccctcc ggacttcacc ccccggtgcca ccccggaaga tntaagccaa 60
 gccctacttt tcgagggggca actccacact tatgaagact atcccgggca agacaatgag 120
 gaaggagata cccatcttag cccctgctc cacctcaaag atccgtcccc ccatgaacta 180
 cccaaccaa acatagtccg ccatatcccg acttcaccca caccgtaaa agaatctgtt 240
 cccttcgtgg aagataaggg aaagattgag gtgcttgaag agagggtgag agcagtcgag 300
 ggctcggca attaccatt ctcggttta gcggatttat gtctcgttcc caacatcgtc 360
 atccctccca agttcaaagt accggacttt gatatgtaca aagggacgac atgtccgaag 420
 gggcatcttc tgatgtatatt atcgaaagat 450

<210> 33436
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 33436
 ctagatgaca cttgacctgc ttggcggctc gaccgactat aacccttcta tttgtaatgc 60
 tgaatgatac tactagacac tcatcaacct tccatgtcag acctgatgca ggagcatgaa 120
 cgcatagccc ataataacc gactcccca ctaacacgct atctcccacc tcttattatt 180
 tgagcataaa ggcattcctt tatctct 207

<210> 33437
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33437

tcntcggagg gagagaacga gagagagaga gagagtggca cggtttatga atgataatac 60
 ggagagaact tgaacgatga agtgtgtctc acatgtttct catacatcaa tgtagagacc 120
 tgtgttacac gagtttctat ctattgecta tgtcactacc tagattgaga ctctcatatt 180
 catttctga gaatgtagaa ggaatatgcc gagaatatgc cctaggcatc ttatcatatc 240
 ccctttatat gccgcaagca tggatcgtgt gactctagca catgggacgc tttcttgag 299

<210> 33438

<211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33438

ttagagacct taggcatgca agctntgagt tctatggccc caatgacatc tatccnccac 60
 atggaaaaag gccaaagggtg ttacatgaca ttacagaggat gtggcggaac attgacattg 120
 tccgcgtacg cttgacattt atggcattac cttacatggg cgcagcaatc gctttccata 180
 gtgagctagt aataacctgc tctaaggata ttcttggcca taccatgccc attggcatgt 240
 gtcccanatg cccccccgtg gatttcctta atcatgtagt tcgcctctct ggcattctatg 300
 catcgcatga gggatcatgtc gtcgtttcgt ttgtacacga tgggtaccact cacatagaaa 360
 ctagtatcca atctccgtaa cgtgcttttg gcattgtcgg aaatccctgg tggatattct 420
 ttgtttctga catactggct aat 443

<210> 33439
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33439

tctgtccctg agaaactggg tcccagaaga caacagggga gtaatgaatg ctgaataccc 60
 taaccttgca acatgtccct aggaagtaga cacggagatg gacaagaaaa tccgcagtat 120
 tgtgagtagc attnttgaat agacgcctct ntgtgcctga ttgctgagaa aagatgttcc 180
 aacatcttcc aaccaagtg tttctgtgcc tgatgctaag aaagatgttc caacatcctc 240
 cgctccaaat gctgaagccc tcccttcacc cagtgaagag gaatcaacag aagaagagga 300
 tcaagcctca gaggagactc ctgcaccacg ggcaccagaa cctgctccan gtgacctcat 360
 tgacctggaa gaagtcgaat ctgatgaaga accca 395

<210> 33440
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33440

ttgtgtgatt gaatatTTTT tttggttggga tcatcactat tccgtaagga tgacaattgg 240
atctattcat ctcgtaactn tctaattctt ccataaataa attcagccaa aatatgcaat 300
tatcaaagac aataatggat tgcataatgtt gagtcaatgc tatcattgga tggtcagtga 360
accatccaac atattttctta taccattgga tcaatgggag caactccaat ggggtgtggag 420
agt 423

<210> 33443
<211> 338
<212> DNA
<213> Glycine max

<400> 33443

tgcagcatcc ataaacaaat aggagacaag atagctataa aaaccttcca agtattcata 60
atctacaaca ccatcaaacc catagcttta gaatccttgg ttgaaaaaga gaaaaaaaag 120
aagcactatt tacaatgac aaagtcaaac atgcatctag gcacatcacg tacaccatt 180
caaaacatag aaacactagt tttttaaaaa tattcacaac catgctttcc gtcacgaccg 240
caacggatc acaattacaa ttatggctac atcggacgta ttaatctgca attttctata 300
atgtcatagg atcacgatga aatcgcgacc ccgaccat 338

<210> 33444
<211> 405
<212> DNA
<213> Glycine max

<400> 33444

tagacgacct tgttgagtcg agaatacttg attatatata tggacttggt tgaatatgat 60
gtataaagag gtgaatgtga gcctcttttc ccctttgaaa gactcgttta aaataatggt 120
ttaaattac ttttaatgaa tatttgaatt ctttatattc cttatcacga tatatgtgag 180
gggtagaggg tgtcacaact atcatccaaa caatttatga ttaatttttg atattatgac 240
atacattcat aacctagtcc attgtgcac ctaaacataa tcgcatcat gaaaaataag 300
aataggattg gagagaaaga ataattttca cacagagttg aaataccaag ccttgactca 360
catatctaact tgcttgaagt ggatccttga atggataatt gttca 405

<210> 33445
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33445

agctntgata gtttgtcgtc tctcttattg tattctocca cgatatactt gagcttgaac 60
ttggtgaatg cctttntaag tcaggtagct atggngaagt accttgtcat ttgaggatcc 120
ttagtttacg aatctccatt cagttgtcta gtgataaatt tggagctgct ccagcactta 180
aagtatttgg ttcctactct ttnttctaatt cttaggccga ctaagaaagt gtcgcaacat 240
gcccttntgc aggcgagcga agcaaggctc acgggtgcgc tttccaaagg aggaaagatg 300
cgtggagtcg ccaccaacgt ttttttgtgg gaaacgtcgg ataaaccgaa ggaaaccggt 360
caaaatgaan attctaagtt cgggagttgt attac 395

<210> 33446
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33446

nttatctggt ggattcactt ttgatcacia ctgtaccata ttgaatatca ttagtcacca 60
canaaggacc aatccacttt gacctcaact taccactcgt gagtccaagc ctagagttat 120
acaataaaac tttctgtcca accacgaagt ccttcttagc gatcaaacta tcaaggaact 180
tcttggctct ctctttagt aatttggat tctcataggc ttctaaacgg atctcatcta 240
actcacttag ttggaacttc ctttccttcc cagcttgatc aatagagaag ttgcaggtct 300
ttacagccca gtaagctttg tgctctatct ctacaggaag atgacatgcc 350

<210> 33447
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33447

ttagcttccg tgatttgtgg agagcctnta cacaatcgag aactattatg tattgactct 60

tgctatggtt taacgacaac aggacagtgt taacgtgcgc tccatgtttc tgatacgacc 120
 aacgtataag tcacaatatg aaatcatgaa tatctatata aggaaactga atagcggatc 180
 aaacattctg gacgttatat catttgcaact gaactatcaa tgtgttacca ggcattgagga 240
 gtctctgggc atttatgacc acgatcactt tctggaatta taatccc 287

<210> 33448
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33448

tgaacacgat catcgacact gatggaagan ctgtgtttga catgagtgga tggaaacttg 60
 cttgatgaca acaacgagta tggctgtgtg aactactttg caattgtcta tcctatggag 120
 acagcgacaa ccaatagtga gtatgatcct tatcatataa aaactcgcca tcagacttta 180
 caattgtggg gaactgtgta tattaacatg ctgcgtgtaa gatatgaata ctatactcg 240
 taatacaaga gaacctcctg aagctttcaa tgactaatag agtgggggtga aaggatatac 300
 agagaagatc gatggacaaa atcattatca cattctgaaa acacctatca ggttgaaaga 360
 atgcatgact tactgtcteta tatctacacg acatgatgct gcatgcteta acgatgaaag 420
 accggcgagg gcacatgggtg gtctactctc taatgttttn 460

<210> 33449
 <211> 276
 <212> DNA
 <213> Glycine max
 <400> 33449

tgcattcttc ttacctctt attaccaca ccatacatca aacctatcaa tgtttagata 60
 atgacatcta cagaaatgca gttgtgaaag gaaaggggcc taagctctac ttgtgatgac 120
 aagtttttcc ctagccatcg ttgtcctaata aagcaacatt ctgttctact gtgggaagaa 180
 gaggatgatc ctgcatttca tccagatcca ccatacgatg ctgacacagc tggtgacccc 240
 acattgcaag atcatcattt gtcttataat gcttta 276

<210> 33450
 <211> 404

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33450

agcttctggt gtttaacacc tctcttgtgc ctctgttata cgatttccaa caaggcaacc 60
ttggcctttgc accttacggg gagtattctg gcgagtcata ggtgttatgc agacatctag 120
tcaaagagggc taataattaa tgggtgtggg tggtgataaa accccaaaca atgatgttct 180
aggggtaaaa tggattcttg aagcatatat catgataggg cattgctata gtgcactaat 240
taacactgct attttggccg ttattgcagc cgctctggct actattaata aacgactcca 300
ctatcctggg attgactact aaattngatg ccctagttaa aaaagtaatt aaatggatca 360
taccaatat acaaaggtag agaaagacca tagagaacct aatg 404

<210> 33451
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33451

tcagtagcag ataaatatct catacatggc taaaggcatg agatattttc aaagcaaact 60
tatagtcaaa tgatgaatgt tcattatttt tataatttat cttctgaaat tgtaattttc 120
atgtttcacc tacaagactg catcatttct ttcataataa ttgttgcaaa gcattgaatt 180
tgctgacaat gtgttttcta gtgatggaat ttgttaacaa atattttattg agatttttct 240
gccaatttg aagccatcaa tttgttgatt atttgctata tatcataaga tgggtggtgca 300
tagcaatntt tgggtgagcc atgtctactt agtttgatan tttgtactct gtaaaacata 360
ctttgtttta ttcataccat ttctatggaa attttcaatt acatgaaatc ttaatctttg 420
agcaccaacc tcggacatga gcaccaatct a 451

<210> 33452
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33452

agcttctctc tatctataaa tacgacatca aggatcgaac aacgacgacg aacacataca 60
gaanaacaag aagtcgtgaa ttaagaaaca agaaaaaaaa ttaagaaata cactgagctt 120
aagagagtcc atcctttgtg atatacaaag tacttgtgag agattaaaac ttcatgtat 180
attcactctt tgggtgttgt aaagaatctc tggttctatt tcaaaatttt gtttatgaaa 240
gtcaggagtg gcttagtgat aaaataatac ttaagtgttc ttagatttag gagatatcta 300
aggattgtgn tagtagtgac ctccacaata cttgatagtc aaaagtggta gaaaagaata 360
gtcgttgtaa tcaagtttga ttagtagaac cttttac 397

<210> 33453
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33453

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gacattccaa aaaccgcatt tcgaacacat caggggcatt acgaattcac ctaacaatga 120
tcccatggta gtcaaactgg agattttctaa ctttatagtg tgcagagtct tgattgacca 180
gaggagctcg accaatattc tctattggtc taccttcaaa aaatttgata ttccaacaag 240
tcagatcaag ccattctctg aacaactcat aggcttcttg ngagagacaa cttacacaat 300
gggacatgtc aacttgctaa cgactntcag aaacgagaag tgttccaaga ccataatgat 360
caggtatctc ctagtcaaag cactcatttc ttataatata ttaatttggg ggggtgcactt 420
aataaattat gggctattat ttcaactccc tate 454

<210> 33454
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33454

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attaggtttt attgtaagta aataacaaat ntagactatt aaacaaaatc aacgaagaaa 120
actcaaatac ctgaatatcc tcccatatca aatccttctg agcagtaggg acttcctttc 180

aggtgtcata tgtcacgtcg accttatcac gagcgacaat ccctaaatat gtttttaatt 240
tcttcttgtg gggaccgtcg gccttgccgg tagcaggatc aacgttgacc acaagtcttt 300
ctgccccagg tgggtctagt gccaatgatc atagccgtgt cgccttgcg gtccgcttca 360
acgtagatgg agacgtgat gcgtctgc 388

<210> 33455
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33455

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tctgtggttg gaaccataaa tccaaaggg tcccaaacca atattagtag tgatggcgga 120
gcanaccaat catcattaaa atcaacggan agattagaag acatacaaag gaaaaaaga 180
agcaagtgat agagaaagtt atatggngcg tgcctgacaa aatagaaacg gtgaaataag 240
tgctntacag atatactcac cttgtacttc caaacacggt gaaataagtg ctttacagac 300
atactcacct tntactttta ngtagatagc tangtttgtg taattgttta agtctgagaa 360
tttgatagga atatat 376

<210> 33456
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33456

ctgtgaataa ctatagacat agacattaag tgaatagtnt aactctcttt tttaaaatnt 60
aaacataaaa atgttgaaac aaaattntgg gctattttca attcaatatt tccttcattc 120
tttgtcttat ccacccttt gtctgtttca tacttagatt gaggaggaaa caatcacttt 180
aatctatgga agtgggtggac actangttat gttgattcca gtggttacct acatctacat 240
gtgcaattct ccaattntgt tcctactaaa aaagaaaaag aaaacagcag aaaaagtgtc 300
ctgatcatgg aactgaaaa atgtttttnt atcttgcagc tgctagccga taaacaatgg 360
agatgaatct aatgccttca ctctttcggc cttttccgcg ctcacatttt tgtc 414

<210> 33457
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33457

agcttgtgaa atttggatat ccaccattaa aaacatttct agaaagatct aaataatatt 60
 tatattatga ttataaata accatgatca taaccataag cataatagtt tacaacaaaa 120
 tgctctcttt gaatcaattg aattagcaac tacacatttc ctttagattc tctatttttc 180
 tctacattct aactntcacc agtataattt caatgatgtt tctatctcac ttagctactt 240
 caaagaaaat gacttcactc aatttcattc ataaagaaat tgttaaaact cactgtttgt 300
 agcttttaac aaggttgtta cccagagtac agaaggctac caaattcaag atatgcaaga 360
 ctacgataat tatatccatt tgaactcgat aaagaattca gaaatatctt ctcaaattct 420
 ttatcattga ggattcagag tacattaagt tt 452

<210> 33458
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33458

atactcagct tctgatattg aatcaagatg gattcacggg agtttgatga taacttagat 60
 gatgacaaan agcccaagag aatgagttca agattgaatc aagaacactt caagaatcaa 120
 gaggaaattt gatttcaaga ttcaagaatc aagtttcaag aatcaagaat aatcaagttg 180
 aagattcaag aatcaagaaa agactcaatc aagataagta ctaaaaagtt ttttcaaaac 240
 attgagtagc acatgaatnt tccacanaac cttttaccaa agagttttta ctctctggta 300
 atcgattacc agtttattgt aatcgattac cagtagcaaa gattgttttc aaaaagcttt 360
 caactgaatt tacaacgttc caattgattt caaattgggtg taatcgatta caatgatttg 420
 gtaatcgatt accagt 436

<210> 33459
 <211> 398
 <212> DNA

<213> Glycine max

<400> 33459

agccttgact tgagtcacat agtgattata aatatgtgac catggcatga gtttcaacta 60
acaatcaatc atcaatcatc tttgaatcat ctatctttca atctttacaa catcatctct 120
caacatcttt caatcaatct ttcaatatct tttctataga attttctaata tcatttctct 180
tcattcttct aaaagttttt tatcaacact ttctcttcca agataagttc tttgttcaaa 240
aacttggtgct attcatcttt ttcatctctt tctccctttg ccaaaagaac gaaagactaa 300
ctgcttgaat tcttttgtgt ttctcttctc ccttacaaaa gattcaaagg actaaccgcc 360
tgagaattct tttgattctt cccttccct taagcaaa 398

<210> 33460

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33460

taagagagaa tgtggtttat gcaatgattg acctatgctt aagagataat attagaaagt 60
ttgaaatggc cactaaaatt tatgcttaag cgagatttat gttaagggtta agtgaaaatt 120
catgttgaac actttattac atgggttttg aatgaattta attgaactta aatgtatggg 180
gattatgaaa ttgtacaat tggattctag agctatatgt taggaaattc acatttttaa 240
ggattgatca cgtgtgaaag ttaagattca tagtgtggaa tgctcacat agcttatgga 300
actactangt gggttcctaa gtgtattgtt aagaaaatgg tgaatttata acataaaggg 360
aacttggtgt attaaagttg attgaatgta tacatgcata catgacatta catgtgggta 420
ggcacg 426

<210> 33461

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33461

agcttggtgca ttcaatatcc tgatgagggt gttccctatg ttctcaagac tggactaata 60

cattngctgc ccaagtttca tggctcttga ngtgaatatc ctcataagca tcttaaggag 120
 ttccatattg tttgtttcac catgaagccc ccaaagtgtc aggaagatca tatcttttta 180
 aaggcttttc ctcatctctt agagggagtg gcaaaagatt ggctgtatta ccttgctccc 240
 aggtccattt tcagctggga tgaccttcag aggggtgttct tggagaaatt cttccctgca 300
 tctangacca ctgccatcag aaaagacatt tcangcatca ngcaacttag tggagagaac 360
 ttgtatgagt actgngaaag attca 385

<210> 33462
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33462

taaaanaata gtcaataaac aacttaagag agaagtagaa atacttggtc tatattagtt 60
 cactcaaata nagctacgtc cagctctcct ttacataact ataanaggat ccaataatca 120
 aaactttcat tacaactagg tattctatcc taccactctt ggctataaaa gtattctcta 180
 tgtcactctt gacacaccct tagactcccc ctgaatctaa gaacacttaa gtatggttta 240
 aactgagca actntngatt ntctcaaaca aaagtttgaa tgaatacaat gattcaacaa 300
 cactcanaga gtggataaat agttaaactc aaatgcaaat aactttgctt agcaaaggat 360
 gaaaagaata agtggtgagt atatcgtcca ct 392

<210> 33463
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33463

agcttgcatn tctctcccat ggctgatatc anatctatga tggatcaaaa gctttgctat 60
 gctactcaca ttcttctctt cgattatcat atccttcatt cttacatcat gagtgaacaa 120
 caacaagatc aatcactcaa tgtacgcagt ccttattact ttcacccggg agaaaatcca 180
 gggatagctn tgggtttctcc ggttcttgat tcatccaatt ataattcatg gagttgatct 240
 atgcttattg cattaagcac gaagaacaaa tatgagtttg tcgatggttc tattcgaaga 300

cctgcatcag atcatgaact tcatgtagct gggaaggggtg caataatatg gtggccttatg 360
gttggtcatt tagctctctt tcattagaaa aaatact 397

<210> 33464
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33464

ngataagtaa cctcatcctt actaaattaa gtatcttggc aacaaagata aatcacaaga 60
tcttttattt ggatgtattg ngggcaggggt gaaattgana ggtaggaatt agaaagaaca 120
agaaaaagaa aatggataca aatgaatcat aataccttat cagagaatac atcatgcaac 180
taaaacacaa gggatcaccata caaggagaaa tcataatttg cttcctttct tttcattcct 240
ttttcatgaa tatggatatct ttcattctac tagcttgaca tnaacagttt tttttttttt 300
ttttcgtgtc aaacattgct gacacgttat tattcaactt ttaatcccca caaatttttc 360
atatactgct agcttgaagc actgagtcag taccaacaat tcattagtga gttgttcaat 420
gtattaatc 429

<210> 33465
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33465

tatcttatcc ttatggcttg cctcgggact tcaactccccg tgccactccg aaagatttaa 60
gccaagcccc tacttttgag gggcaactcc cgccttgtga cgactatccc gggcaagacg 120
atgaggaagg agatacccat ctcggtcccc tgctccacct taatgatccg tccccacatg 180
aactacccca accgaacata gtccgccata tcccggcctc acccacacc gtaaaagaat 240
ctgttccctt cgcggaagat aatggaaaga tagaggcgct tgaagagagg ttaagagcag 300
tcgagggcct tggcaattac ccgttctcgg atntaagcgg attatgtctc gtgcccaata 360
tcgtcattcc tccaagttc aaagtacc 388

<210> 33466

<211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33466

tccattgtta aatttcgagc gtctcgatat attatatact ctgaatcgga cctctgaggg 60
 aaaagttatg accatttgaa ttgctcaaga gctntcatag ttcaatttct agcgtctcga 120
 tatattatgc gcctgaatca aacctccgag ttaaaagcta tgaccattng aatntctcga 180
 gagcttccgt tgttcaattt cgagcgtctc tatatgtgat gcgcctaaat cggacatccg 240
 aagtaaaagt tatatccatt tgaatttctc aagagcttcc gttgtcaatt taagcgtctc 300
 tatattgatg cgcctaaatc ggacatccga gttaaaagtt atgatcattt gatattcg 358

<210> 33467
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33467

tcttcttctt ctcatcacia ccttacaaag aagacaaata gctaccaatt cattgcacct 60
 taactctatt cattcattca tattcatatt agtaaaaagt aaaaaatcca tcatccctta 120
 caataaaaag cagaagggga tacaactatc acagaactaa tctactttac ttaaacaacc 180
 tcttttgaat cctaactata gaaaatcaaa atcaggacct gatataacaa aaagaaccaa 240
 atcaaaattc cacaggttgt ctaagaacac aactgcaatt agcaatcttc ctacaagctn 300
 ggcatattac ttaatacaac caacatcatg ctacatga 338

<210> 33468
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 33468

tgttgtaaac ttccttgaac atgtgttgaa atattcgttc ttactgccct gttctgaatc 60
 tgtgtgctaa gctatgttcc ttgagttttt gagtggtaaa atatatgatt atccttatat 120
 ttttcttaaa taggagtttt tttagaaaaa gttatgaata aaacaagttt tagaacattt 180

tactagataa aatttgtcac gaaaataatc tagcaggaca gttgtatgga ttagttatta 240
 ttacagtttc gacctcaaaa atgagtttat tgagcgtgaa aatgtaagggt agcatataag 300
 atttgcgaaa aaccaattct cggagcatcg agaggactaa gaataagtta tgagtgagac 360
 ttggttaact gatcgataga gttgatttgg agagtagaaa cttacatt 408

<210> 33469
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 33469

ctattacaca catactgtaa tcgattacca gaggatgttt tcagagaaca ttctcaacag 60
 tcacatctta ttatctgatt ctttaagtggc catcaaaggc ttatatatat gtgactagag 120
 acacgaattt tataagagtt tttcagaaca ataagggtcta atcctcttat aaagaaaaat 180
 cgatttatcc tcttaciaat tccttggcca aaacactggg gattcaataa ggaattat 240
 gagtgctcaa attgggtcaat ctatctcttt taagagagat tacttctttt cttcttcttc 300
 attctgaaaa gggattaaga gaccgatggg ctcttgggtgt gaaagaattc taaca 355

<210> 33470
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33470

ctaagcttgc cttccttaca agtcctttgc tacctcgtaa gccactggat cttctttgat 60
 tggaatctcc gctgcctgct taacaaatta aaagagaaat cagtacatgc attacagtat 120
 aaaagaattt tcataatgtc attcaatatc aaattataat atactaacct ctgatgctat 180
 ttataagaaa taagttgtaa tgtacactaa tagattcaga ggtagtatca taaatttata 240
 aatttttata ataattatct taaaaatcat actaaccta atttttaatt gattgattga 300
 tactgaccat gtaaagggtt ttcatgattt gatccaatca caatatgcaa tanatnggtt 360
 gtcttctatg ataactanta caaaaatcat accaataata atttctaatt gatagaatac 420
 aagtatttat agacacaaca tagaagcttt actcaaat 458

<210> 33471
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33471

agcttggttaa tggatcaata ttctaattgt gaaactaaat gtcttgaggt tttcatgcag 60
 gcatcttatt cgtgaatttc aagcaacccc cttagataac tcaatataaa agtactatct 120
 gtcaccttat aaatgtgatt gtgagcagcc acaatgctca naagtcctcc tacaaggaa 180
 tcagctgctc cagttgtgtc aattgcttcc acctcaaaac cagcaaccca tcctttatag 240
 tcctgtgcaa caataaggaa catctatatg attaaacata actaaccaat nttggattag 300
 caaatagatg ggaggaaaca tttgagctcc atttntatgc atttaggatt agatatttac 360
 actaaaatag tgtttaggac tttgcccctg tgactga 397

<210> 33472
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33472

tnctgaacag attgatcagc tgtttcatac agtctagtct gattgtctcc tttatcatca 60
 acatcactgg ccctggcatt caaattctca atttccacct gttcttcatc ttcattgact 120
 gtctccaatg agattgcttc tgtcgacaaa aatggagtgt gctggtcatt tttctcccca 180
 gaataatcct cataattggc tgcagaacct aaatggctgg aacctgata attacttctc 240
 aaacatcttc tcattcttga tgaacttttc attaaatcta gcttccagaa aacctattat 300
 ataatcaaat gtttagttaa tcaaat 326

<210> 33473
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33473

agcttcaaga attaatggcc tcataaaact acttggtccc cgaaggcaat tcaattaata 60

ggcctcccat ttttaatgga gtgggttacc actattggaa aacccgcatg caaatcttca 120
tagaggctat agatttaaac atttgggaag ccatagaaat agggccttat attcccacca 180
tggttgctag aaatacaaca atagaaaagc atagggaaga ttggagtgag aaagaaagaa 240
gactagtaca atataactta aaagccaaaa acataattac atctgccctg ngaatggatg 300
aatactntan ggtatcaaac tgtaaaagtg aaaatatatg tgggataccc tacaagtaac 360
acatgaaggc acaacagatg ttaaaagatc taggataaac acattaactc at 412

<210> 33474
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33474

tgtacgcaca tcgttcgct gtatgatatc cactccacaa ggtttgaagt agaggagagc 60
ttcaacccta taacgcaacg tggcagacaa aagtgggcag taaacttgaa tggtcgtcat 120
tgtcaatgog gaaggatttc tgcgcttcac tatccatggt cacacattat tgcagcttgt 180
ggttacgtga gcatgaacta ctaccaatat atagatgttg ttatatacaa cgagcacatc 240
ttataagctt actccgcaca atgggtggcct cttgggaatg aagcggctat tcctccttct 300
gatgacgcat ggacacttat ccctgaccca actacaattc gtgcgaaagg tcggccaaaa 360
tcaacaagga taagaaatga gatggatngt gtcgaaccat ctgagcaccg aacaaaatgt 420
agtagatgt 429

<210> 33475
<211> 371
<212> DNA
<213> Glycine max
<400> 33475

agcttgccct atagagatcc atgaaagaca aagcggctga aggaaccaat tccgcgtcct 60
gaatatgaca gccatcattt tatgagcgct gatcaccaac atcgcttcga cgccatcaaa 120
ggatggctcat tcctccgggc acaccgctcc aacttaagga caccagtata ctgacttcca 180
tgaagagata gtttgccggc tgtgggcatt tttagttacc cccatggcca cgttcgacac 240
atacatattc ttccagtcta tgcgcatgct tggcctatag acgatggcgt gcgagatatg 300

cgattctggg cgacgcgcca gtggatccct ttctatgcgg atgccctcta ccacgtcctg 360
gatatccttt a 371

<210> 33476
<211> 402
<212> DNA
<213> Glycine max
<400> 33476

agctttaatc tgtcatatct ttctctgaac tctgatactt gttgagttct ggcccagtg 60
cccctattaa tgtacaaaaa ttagactctt cttgttcaaa gaaagtcttg gtcataata 120
tcaatttgag ttgaggtcca cattattggt atgctactaa actattcaat agtaattcat 180
taaccagga aaaaaattat atattcattt atgaattcgg aattaagaag gaactgattg 240
cactgcaaac ttacaaaggt acaagatatt tgatcaatga tgaaggcttc cacggtgcac 300
tctacttgat cgatattggg caaaacgacc atgctgattc atttgccaaa aatctgtcat 360
atgtgcaagt catcaagaag atcccagtag ttataactga aa 402

<210> 33477
<211> 531
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33477

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gcgnntttga tcttatectt acgttacant actcgtaccg agacctctga tgcactgcag 120
catgcagctt ctatcttata ttgctatata tagggggaga agtgaataac aatagggttc 180
acgcacctta agcactatct ctatcctctt gagatagccg acgaaaatta ctctccgtga 240
acataatcca agctcgagcg cttaccacaca cccccgcac gtttctgag tcattaggcc 300
aagatattaa aaagcccttc caaattcatc agctcgaatt gagatttctg cggataaca 360
cagcctacct acctttaacc acagctccat aattccatct atgtacacgt ggcggccaca 420
ttatgtatca tgttcaacta ttcccgttcc attcgttata tacccttgt gacggcctat 480
accactattt aagctatcct cgctatacca aacaaaataa cttcaccgtc c 531

<210> 33478
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 33478

agcttatggt gtgattttctc atgtcctcta ccatagtaca atcgaactga agatgcgtct 60
 tatattaaat atttgaatct tttattcatt gtaaacctaa ttccaactga atttagattt 120
 taaaatttga tataaccccc acattcatca tatattttta cttttattaa attttaaaga 180
 tattgtaacc ttaatcaatc ttaatatgac tatgtctttt aaattataca ctatgataca 240
 tctcattaat aaagaacata gtgcttgatg tatataaatt atttgcatac ttaccttttc 300
 aattctaaaa gtgtgggtgc tttgatctat tcatatttac tataatacca tacaatattt 360
 acgattaata atcaaaacat ctatgattaa t 391

<210> 33479
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 33479

gatccaaact ccagaccagc acacataccc gctgctattg ctccgctatg aatataccat 60
 ctgtgataga gcggaagaa cctatgccat tgtccatgca ttatcgctgc cccccgcgaa 120
 gcagcagcgc acttctactc atatcgatgc ctcaactcgc ctctcctgat gatccttgaa 180
 aagaatcggc atggcaagcg aagaccaaca tctacataca caatgcacaa tgacttgtcg 240
 aacatcaagc taccattgtc cataatctat cctgtgtaag gacggaaatg ctcgcatcca 300
 ttgtccttat cagttatatt acctaaccba tcaacacaac cgaagctatt tcgagacgca 360
 aaccg 365

<210> 33480
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 33480

agcttgcttc ccagctcgcc caggcgagca ggggttgcttc ctccagaagc aacagccttc 60

tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgcaccc ctatTTTTac 120
 taagtacacc ccttgccctt tctgggtgatt ctttttcgta aagttacgaa aacttacgaa 180
 tttcgtaacg atacttggtc tctttccgca atgttaccga accttgccga ttacataatc 240
 atcccatctt ttgacttacc gaatgttacg gaacctcact aattgtgcaa cgatgcttcc 300
 atttgatttc cgggtgtgtca cggaacctta cggattgtgc atcaatatct tcttttgtct 360

<210> 33481
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 33481

agcttggatg gattgatggc gacccggtgt tgagaggaac gaggataaag gctacatggg 60
 agtacgtgag ctcaattgaa tgtgggcaac tagggatggg ggatttatgt gtgatttggt 120
 gatgtggatc ctgacttgca ccattaccca atgccaccta ataccacata tgactagtac 180
 ccataatcc tacaagcttg aagtgagaaa gtgtggaaga gtcagtcttc ctacttttat 240
 tcgttggcaa cagagtggta cctgtagata tgtcgatagg gtcattgacac cttgtggacg 300
 tcacgtgggg tgctattgcc caatacaaaa cttgaccaat ctcgacccaa cccgggcata 360
 gtcagtcaat gagaacctgt gatgtacct 389

<210> 33482
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 33482

atcttctgta ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgac 60
 taaaaagtta ttgtcgatg aattagctcg gaggttcaca attcaatttc caacgcttta 120
 atatattacg ctctcactca gacatccgag caaaagttat tgtcgtttga attatctcag 180
 agcttcacaa ttcaatttcg atcgtctcga tatatt 216

<210> 33483
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 33483

agcttcggta gaaagtgatg aggtacaagc cctaattggca gagcttgaaa gagccccgggc 60
 agtctatgag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
 ggacgtccta tggccacagc tgaagccttg aacgagaaac caagaaggct cgaaaggaag 180
 aacacgacct aagcaaagtt tttaggggct ttatagggca tcaatagtga gctcaagctc 240
 cgaagatgtg aatggaatca tcacgggtca caggcctgat cttgaa 286

<210> 33484

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33484

agctttacat ggagctatat cagttcacac aatatagttc aaggaccaa aagaaataat 60
 cattcaagct caaagtggc aactagggga aaacttatca aaggattcac aagtcttaag 120
 aaagcctatc aaggtctccc ttttcacaaa attcacaatt attcaaggat atgtatgtca 180
 aaacagagaa tagaatactg ctattgaaag gatcaattct cacacaataa gagaatcaag 240
 gctcanaact cacctatctg agggtaactc taagaatagt tcacaatcat gcatgctaatt 300
 gtcccctccc gaagaaactc caattaccca ataaacacat tacttttggt atcaataaaa 360
 ttctaaaccc aagacatttt cacagtacta gaac 394

<210> 33485

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33485

agctttgcat gtttagtgat tctagagaaa gaaagatgag tctttgaatg gttgtgagat 60
 cctatagggtg aaggagacat cctcaccact tgtatttttg caatctttca tcttggttctt 120
 ctcttttttg taaagcgcgc ttcttggtta tggaaagcta aatcctatgt tggatcttct 180
 ctatagggtac ttgatgtaaa tatcttttta tctatttaat gatgttctgt gtgttctcta 240
 tgctatctgc ttttcattct agtatgcctc taccttgatc acatagatgc atgctttggt 300

anggtcattt cacagtggaa actggtctga ttcttatgac cttgatacga cacggctaaa 360
 ttgttgtact atcacgagga atc 383

<210> 33486
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 33486

agctttaact taatcaattc aaaagccttt tgtgcttggt cattccaccc aaacgcaccc 60
 ttcttcaaac attcggtcac aggacttgct atagtgctaa aattctggat aaagcgctga 120
 taaaatgatg caagacaagg aaagatctca cctccgaact gttgtagggc tcggccaagt 180
 cttgatagca tccacttttg tttgatcaac ggatactcca tctttagaca ccacatatcc 240
 aagacacacc acactttcaa ccaagaaatc acactttttc ctctctccat agagttgttg 300
 tgctcttatg gtctcaaata tttgtttcaa atgagtgaag tgccctctta tagatttgct 360
 atacaccaat gtgtcatcaa gataaacaac 390

<210> 33487
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 33487

cgctggtgga atcttgaaat atatgctgaa tcgaatctca tatattgtgt gccgtgtccc 60
 tcttagagat tgattcaatg aacttcacga tctattgcct gtataaggca acccttgcct 120
 ctacaacctt gacttcaggt cgtctacaag gtgcttcgag gctgatacgg ctctatgcca 180
 tctagcccga tatatatctc attctcaatg agaaccattc tgttttgcag tgaagaaatg 240
 ctgccttcaa catgcctatg gtcataatgg ccttaaacct tggaagtgtt gctgtcctgt 300
 ctgctactcc acattaagtg atggtctgac gcgttctact aaacgaaaga ttaatgcttc 360
 tctctttgac tgcact 376

<210> 33488
 <211> 326
 <212> DNA
 <213> Glycine max

ctatgtcaaa atagaaatgg tctgttagtc cattttaccc tgac

404

<210> 33491
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33491

cgaccaccgc gnacaccttg gagtttgtat tcgatgccat gactatctag ggattgagct 60
 cgtcncggga tccttagagt cactgcagca tgcaatcttg ttatttatac ctctccttcc 120
 tgatggatag agcatgagac caagcatgat aaagattatc ccgctccata agtttctgaa 180
 catctaaact gtggcacatg atgagaatgc actgtatgac ccgatcacc ctcttagcgt 240
 caaaccatga agatattcaa tcacttctgt gagcttgagg cgtttgtctt gatccataca 300
 attcttgaca gccttgagct cgtaatttc tagtctgta agagcattta tcatgcacaa 360
 tataccccac catcctgtga caaatgctct gtcocgaagg ggacacaaac acaagtccaa 420
 ttcctttaa g gatgttaca tgctctcaat caatgggaac attcctgatg caatcccccg 480
 cttatcatta tgc 493

<210> 33492
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 33492

agcttgcttt attacaagag aaagatcatg tgactagaat tatgaatgat aatgttagtc 60
 agtttgtcag attgatcgtg aacgaatgca ttatccataa accggtgaga gtgtgatcct 120
 tatcctcgac agaaacgact atcatcagta ctgatttgtg catgaatctc tgaagtatgg 180
 actgaatgct tgatattaat aatgatgaag gccatgttcg attgtgatag gcacttaccc 240
 aaaaagctaa ccatgtgctt aaatgattta tccttgaac ccaattttga gttgattgat 300
 tgactgattg attggaactt gagcctatac aatcttaatt cttgcttctt tgtctt 356

<210> 33493
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33493

atatcagatt cttcttgccct ggcactacaa aacctctctg gtgggtcata tagatgtctt 60
 cctttaaaat cccatgccag aatgcaagtt taacatttaa ctggtccaag tgaagattct 120
 cgctactatg ctaaaataac tctgatggta gtattttttac aactggaaaag aagatctctg 180
 tgaaatcaaa tcctttgttc ttgtgaaacc ctttcaccac aagtctcacc ttgtatcttc 240
 ttctaccgtc agaatctttc tttagcctat agaccacact aatctgtaac gcgttcttcc 300
 ttcttgcaat ttagttaaag acacgtctat tcttctaaag gatgcatctc atcttcatcg 360
 tagctccact catagtgtca tccctgtgta cctactg 397

<210> 33494

<211> 406

<212> DNA

<213> Glycine max

<400> 33494

agcttctact tatgtgacag ggcgggcttc cttcactttc ttgcctcaac cgcgagcttt 60
 gaccaccgct ctttcttccc acaatgcttc tctctatate cgcttgagtg ggtttatagc 120
 ctaaaccata cttccccgac ttcctttggc atttatcaac tagttatgcc gccgttgtct 180
 ttgcctaaac ccattccggg ttcgtaaccg ttccccaaca taacacgggc catcattact 240
 gctgcatcgg acaggcaagc ttgccagag aaggagtcca cggaggaaat gcttaccacc 300
 tcaaaagact ggaaagcggg ttctaataac tctctgagg cttccacata aggcataaag 360
 gatgggcagc tcaccaagat gtcttcttcg cctgatacga tgacca 406

<210> 33495

<211> 411

<212> DNA

<213> Glycine max

<400> 33495

agcttgcatc ctcattatca tcttctgatt tgacttccaa cactctaact caatttctta 60
 cgggtgaaga aaacaaagac ttcagaaacg cgtgaactct ttcgcgggtt ccaagaaacc 120
 agaacatcca ccgtaactcc agaacaaaac aacaaacaat aaaaccccag aaaagacaat 180
 tcataatttc atattccgcc aaatgacctc atccatatat tatattaata cgcactcatt 240

aacaccaaaa cgaaaaataa cactacgaga actcatagaa tagaacaatg aacaaaacat 300
 taaaactaaa agtttgatgt atatgcactc tccattctgc tgccgcggtg tctccgaatt 360
 aaattaatta atttttaata tcattgtcat catagtcagg ggtggaccta t 411

<210> 33496
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33496

agcgtgagct gtgcgttaag ctctcgcaact aaccttgagc ggccgcgctaa gcgagctgtc 60
 cactttttcc attnttcttc aaggcttttt cttccacttc ttgcctcaat tttccttcaa 120
 aacacttaaa tttttccctc ttgacttcta ctgatcaaaa taacaaaaat attaatttct 180
 tcattatttc attaaaaata ataatcaagt caagaaatta tactcattta ttagtcagaa 240
 tagactatta aattaactca tatttcacag ttatcaacaa caattgatta atttaaataa 300
 aagccaccat tgagtgcata gatcaatt 328

<210> 33497
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33497

gcagcatgct agtttactcg tacaggtgcc agtcctgagt gggatggcca aagcgagaat 60
 atttacctca ccctctatga aacgatgacc actgtcccaa tcttagtggt acctaaccg 120
 aatgaaactt tcgtcgtgta ttcccatgcc tccacgatgg gtatcgaggt gtgcttatgc 180
 aaaggggaca tgtagcggcc tatgcttgtc gaccgcttaa catacatgac aggaatcatc 240
 ctacacacta tcttgagcag cagactgtat ctttgatctt atacttcgga ggcattacct 300
 ttatggatct cactgtagag cgttactgac cataacagcc tgagatattt gtntgatcta 360
 aaagaactta acattacgca cagcgaatgg ttacagttcc ctaaagatta cgactttccg 420

<210> 33498
 <211> 202

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33498

 agcttatggg ttgatttgtg acctcaccat ggaagagggtc tccacggagg ccattgcctc 60
 cctcatccaa tatctacaac gcggnctttt tatgtagctt attcnttttg ggactttcaa 120
 ttaacacaca cagtggccac cccgacgaga tcttgcgagc cttctgggag gaaggaaacc 180
 atatcttttc tggggatctt at 202

<210> 33499
 <211> 306
 <212> DNA
 <213> Glycine max

 <400> 33499

 agcttggttt taatttgggtg tatggtaagg tatatgtcca tgtctaggaa tgacataatt 60
 ggtttacttt gatgggctaa ctcaaaaatg atgggacaag tctcgtatat caacttggat 120
 aggagggatc cctcgttttt gtgcgggcca tatgattttt ttaaaaaatc tatgtgaatg 180
 ctattatgtg ctcaatctta agtttgctac tatgcatatt ttaacagctt ttattgcttt 240
 tcaaaaatat aaatacatat atattattat tgtcagctca tgttattaac tcaattcctt 300
 tgggtac 306

<210> 33500
 <211> 310
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33500

 agcttctctt tccgttctcc aaattccacc gaatccaggg atcatactcc atagttcaaa 60
 gaatataaaa ttcattggccc agacaaaaat cttccgttct tcttgccatt caaagcacia 120
 tagataataa acccacacac cccatacctt ctcccttttt ctttttcttt attttatgtt 180
 tattgtgaga gaaagaaata aagccgagcg ttgagaatcc cgtctctgtc aacttncacg 240
 gtccaataat ttcgattcag ccattcctgt tccttctctt ttcttcttcc tcggctcctc 300
 acttcttctc 310

<210> 33501
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33501

agcttggttat gccctcaaga tgttcaagga gttcatagaa aagtagagtg gaagcaaaat 60
 caaagtactc aaaatagatc gtgaccaaga atacctcgct tgtacaaatt tctttgagca 120
 acctggattc aaaatcaact aaccaccaat acacacctca atagaatgga gttgttgaaa 180
 ggaagaacaa aacaatcatg gacatggtga ggtgcatgct gaatgccaaa caaatgccta 240
 aggagttttg ggtggaagca attgctaccg ctgtctacat tttgagtagg tgcccaacan 300
 aaagtgtgtg tgataagaca ccagagtaag cctggaatgg aaggagacca tcaatcagac 360
 acctcagatt tgttgggtgc atatcatata cacatgtttc aaac 404

<210> 33502
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33502

ncgtgccanc ggggancngc gnattgaant ttcgtatttg atagacactg acacactaca 60
 cggcgacatn gagctccgca cgagtggatc ctctagagtg catgagcatg tcttcatgct 120
 ccaattatat aaacggcgca cttcgatgta ttagaggact gctgtgtaca aatgactaca 180
 atttctatct cagaatatgc tcacagcgac atatagagta aaacccgggtg tgtatacccg 240
 cgaccgaacc aactttaag ccttgagctc attgtccgtg tattatacaa gagaccgggc 300
 atgccatttt gatcctttta atgtactacg cgaacccctt gcagatcctc gagcaagagg 360
 aacagttctc acgatttaca cacaatcatc ccaatcacgc tagagtgtgc gtacatacac 420
 atgatctcgt ccgaactcct gcattaaggg attgatgtcg atctttataa aagttgcaca 480
 cctctcgcct ctctctctac tgttaccccg 510

<210> 33503
 <211> 390

<212> DNA
<213> Glycine max
<400> 33503

tctatggacg tacctcgact gaaatcctct gatagccctt ttgagccatg ccacccttat 60
cctttggtga agctcactac acccctctta gcgaataact ctgacatcta cttatcccc 120
ccgcaccccc gagctctgac acagcctggg taaaagtggg gcggttacag cctccttgga 180
taacatgtaa tgccgtgccc gctacatgat ctattccgac ccttactgca tgaataccgc 240
atategccac actgtcgccc atgcaaaatc tgatgtcgtc tctcaccggc ttctcagcat 300
gtacaactcc acgcaacgtc cccatttca ccgaaatgca ccacactgga cgaataccac 360
ctgactgaca cataatcgag agattctgcg 390

<210> 33504
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33504

agctcgcatt ctattacaca agtcttgcaa ttgattacct aaagatatct tcagaaaatt 60
atttccaaga gtcacatctg ttcaaagtgt ttttacctgg ccatcaaagg tctatttata 120
tgtgactagg aacacacccc cgctgacagt ctttttaaga acacaaatgt attatttctc 180
ttataaagaa aaatcttctt atcctcttaa aaattccatg gccaatcac tngcaattca 240
ataacgaatt ttttgagtgc tcaattgctc aatctatctc tttcaagaga gaattcttct 300
cctcttcatc ttactttctaa aaagggatta agagaccgac ggtctcttat tgtatagaaa 360
tctgaa 366

<210> 33505
<211> 372
<212> DNA
<213> Glycine max

<400> 33505
agcttatgtc tttctttagt tataacgtta gtttctctta agtttgtgag tgtttatata 60
gaacgcataa attatttttt gagaaagata acgcgcatat tgtaagagt aattaaacac 120

tctgtgtagt gtgaagctcc tccaatctat catcttatct aaattgagac gtattgaaat 180
 tttgttgatt cttacaacaa ttaccataaa agtcatatct aacataatct ctgattgggt 240
 aaccgcatga gcatatacga atcatactct tgctattggg taatcttaac ttataccaga 300
 aagtcgattc atcttatctt attcttttct tttcagtggt cgttcacgag cttatccgaa 360
 tcggactttg tc 372

<210> 33506
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33506

agtncaaagg cgggagcnga atttgaaacc tgaagcaatg cgaacacacg gcgaatacag 60
 ctcgtgaccc gtgatactat acactcgacc tgtaagcatg cacttctttt atttttatac 120
 aacactgaac ctctgattcg acttgccggt catgtggccc aaaacatctt acgaaggggg 180
 gttgaatcaa tcatattgca tactattccc ttaatgaaaa tcttatttta atttccccag 240
 cactctgcac gtccctataa aaaactctta catgattgat ttcaaagaac aaactgaata 300
 tatacatcac gctatagtaa attgaccacg ttaatgtcat gaaaagtgcc tacttgtata 360
 tatactgggc tgtcacaccc ttgtgccacc ttcatgcccc agtcaacott tagcaagtct 420
 attagtttgc aaatccttta caatgttcga cacacaagcg caatcctaact ttgtctccga 480
 tgtcttataa caagagaccc tagc 504

<210> 33507
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33507

cgccgcaccc atctcnacat tcccaaactt ctgagcatcg ctagcttcac gccatctata 60
 tcacaccctc gataaacaccc gcgcgaggtt gatttgatgc gtggccatca cggccaatng 120
 acatggaccc gggaactgta agtcaactgc agcagcaact tcaatttatt tttcatctcg 180
 aacaacacaa caaacaggtc acctcttata tacggcccat aacaaatccg cgccagctat 240

aataacctcg cacaccgcgc tgagaaaact aatctactgt acgcgcccc gcaccccata 300
 ctttgcacaa actataatgc aacttgcaaa agtgcaggtg ctgttcgatc tctaccaaac 360
 gcaatgtctc ccagtatatc ataccgcaca tgtaccctca acgtcaacac cactgccatc 420
 tgtcacaact gtcaatgcac atgctccgtc acacaacata aaacgcacat catacataga 480
 ttacataatc gcacctccaa aggcagaccg acacgtcaat cacatagcca aagtgactct 540
 ccaactgcaa attcgcacga cg 562

<210> 33508
 <211> 330
 <212> DNA
 <213> Glycine max
 <400> 33508

catcgcttgc gtgtatgata tccactcgac aaggttcgaa gtagaggaga ccttcaatcc 60
 tataacgcaa cgtggcggac taaagtgggc agctaacttg aatggccatt attgtaaacc 120
 cgcacggtat tctgcacttc atatacatgt tcacacatta ttgcagtttg cggctacgtg 180
 agcctgaact actaccaata tatagatggt gttacacgaa tgagaacatc cttaaagcat 240
 acttcggaca tgggtggcct cttgagaatg aagcggcaat tccttcttct gatgacgcat 300
 ggacactaat ccoctgaccca actacaattc 330

<210> 33509
 <211> 344
 <212> DNA
 <213> Glycine max
 <400> 33509

atcttcatga tgatgaatca agttgattca agtaggtttg atgatgaata agatgatgac 60
 aaaaagccca aagaatgatt tcaagattaa gacaacaagt tcaagatcga gataaatttc 120
 aagttttatg gcaacaaatc aagaagattc atgatcaaga gaagtttgat ttcaagattc 180
 aagagaagat gaattcaaga ttttagagaa gaaatcaaga agactctcca agggaagtat 240
 tgaaaagatt tctcatataa ctaacatagc acgttattgt tgttcacaag aggtttctca 300
 caattttcta agttactaga gtttttattt tctggatttg atta 344

<210> 33510

<211> 215
 <212> DNA
 <213> Glycine max

<400> 33510

atctttttgt tttattctat gcacccgtag aggttcacat tgtgtttcga gcatatatat 60
 actaatcttg tgtacctttt atacgccctg ttgacgtgct taaccattg cacttaagat 120
 ctttttagctc actctgaatt agaatactgt cttgcgtgag tgatgtatcg aataatccat 180
 taactacgga taaaataaat tcctaccact tagtg 215

<210> 33511
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 33511

tttatgactt taattcaacc ataattgagg tgcaatatca agttatcggt ctgatcacao 60
 atgaaactgg tcccttcgac attacaattt gggatgatct tttaaattga aattaccccg 120
 actattcatg gtacttgcca acaatactta tggaaactat gcaacgttct cattcctatc 180
 tacagcaaaa tgtaggtata actaatctca ttttcaatgc ctttttttct atggaatcat 240
 cttatacca cttatatctt ttttgtcgca tacatcttcc aaaatctatt ctttcctatt 300
 actcatattc ttctcctcgg a 321

<210> 33512
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33512

agcttatatg ccattcggaa tatgggctcg tgtctgtgtt ggacaacact tagccatgac 60
 agaactgaag gtgattttgt ctcttattct gctgaagttt cacttctctc tctcattaag 120
 gtacacccat tcacctgcct tccgtntgtt atagaacctg gccagtgagt tgttcttatg 180
 atgacaagaa ttttaagcaac aatgtaacag atgaatgatg aaaacatgca ggtaatggga 240
 tgggtgatat agtcataaga catcatttct ctagctgatg aatgctaata agttgttttt 300
 ttatccaaat tagataataa tatttttttt ttatgaaagg aagatattct tataacttca 360

agttatgaga cgaagatgat caaaatctat ca

392

<210> 33513
<211> 130
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33513

agctcgggta tgtccttctg attctgtcta tacatttatg actntatggc ataagatgaa 60
attcaaagat tggatctctt gttagtgtt attaataaat agcttatata cttgtgcttg 120
agtgaacacag 130

<210> 33514
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33514

agcttccttt ctctactgt tctgtgtcgg gccagcaaaa ctgttcgagg tatctttgcc 60
tctgaatgaa cgttgtgctt attattatgg cctattgctt cagtggcgta gatcccataa 120
caattatgct tgcacccctt ttgcttccga gactaactat ttgattgtat gttctcttgt 180
tactaaactt ttgatttttg accggaactg catgaggcat gaaagtttca aagtgggttca 240
accacagtaa aataggatgg tcagtttatn tctgggttct atgacaagtt ttagatctgt 300
cttgattact ggaccattgg atgagcacc ttgtggtgtt gaacaactag cttcattctt 360
ctggatgtgg ttatgagctt tcgatgctag tggatcttat atatca 406

<210> 33515
<211> 224
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33515

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tcagctcatt ttctcgatgc atagaaccat tgacgttgaa ctgagttact tgaaggcgctc 120

ccattataacc ttntaccatc cccattaaca cctctgtgta ttgtctgcct ctataaatct 180
tccccaaact acttttgcag cttcttccat ataaaatgcc actt 224

<210> 33516
<211> 159
<212> DNA
<213> Glycine max

<400> 33516

aattctgatc ctatctggat gtccaaaaat tgacaagttg gaacaacata tagtgcagat 60
ggaatccttg acatctataa ttgctgacaa ccccgccgtc atacaattgc cctccaata 120
cgaagcttac gaagcattgg atatatatcc ctttgtgga 159

<210> 33517
<211> 321
<212> DNA
<213> Glycine max

<400> 33517

atggaagctc ctcatatctc ccacactttg tgggggtgggc cattcttggga tggccttgat 60
tttctcaagg tccacttgga ccccatctct accaactaca aaccctaaga acactatctt 120
atctacaccc acagtacaca ctctatattt gcatacaggg tgttcttctt aatgactgaa 180
agaacttgcc tgagatgtcc taagtgatca tctaagctgc tattgtacac taaaatatca 240
tcaaaatata caactacaaa tctacctatg aaatcactta tgacatgatg cataaagctc 300
atacatgagc tctgtgcatt a 321

<210> 33518
<211> 376
<212> DNA
<213> Glycine max

<400> 33518

atcttggatt atatatgttt gcggctataa acagaagagg gtgatataatt ggtggataaa 60
gcaccctgca ccctagaatt tgggcacttt tgtctatctg atttaagttc tagatcctct 120
tctgttatgc cccctcatta tctggagaag atcatctgga atggatttac atagcgagtc 180
agcaatcatc cgtgcactat ttatgctagc atgaagagtt atgaactgct ctactgcacg 240

ctgtgggtta tggtccttac cataattact tagctctgca tatacactgc caaacacatc 300
 atataatacg attgacaaac actcttttat gctgtatcg acgacggtga cacattataa 360
 tgcctatcca tccata 376

<210> 33519
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 33519

ttctatcggt tatatgcaaa ttgtacatga cactaattaa ggatgacgag tgatgacaac 60
 gggtgtgaaa aaatatataa attacactat aaagatatct atgcaaaacc atcacaactc 120
 agacgtgtaa ctctacccc aaacttacia atacctaat ccaaactcac tatagatttc 180
 tataatcttc tattgcttga tgaagccaag tgctaaattc aggattgatg ctgcgtaatt 240
 tctgcttcag aagctctccc tgtga 265

<210> 33520
 <211> 221
 <212> DNA
 <213> Glycine max

<400> 33520

atctgcggt tgcaatctta atttgtatgt caggcaatag tcattcttct gagaacaagt 60
 gtatttgctg attgcaatgt ttggtttgtt aacttaatcg tgcatgatgg ttgtggtgat 120
 tttttgctgg tggaattttc cccattaatt taccatgagt tctaactctt tggaacaaag 180
 ttacagaagc atgtgctgtg tgaaatgtac catttgcatt t 221

<210> 33521
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33521

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 atatcatcat ccttggtgtaag ttcaatacca tcttcaatat gcatgagata tctcgcaaac 120
 ttatctcccg caatgatcgc tgtttctcgc aataacgatc tttttgatag ctcatgaacg 180

agacttaaca atacatgcac aaatcatttg cgtccttacg catttcttga caataacatg 240
 tactcgacaa aaattccctt ctaataccat cactgtccct ccacatggaa catcacaatc 300
 taaaatatcc tttatgaact atccactgct cacaagcata tctatatgtc atgagtgtgc 360
 catccc 366

<210> 33522
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33522

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 aacttggggg cctgtcttca tgatctttaa gtttaatgtg ctaagttgtt tcaagtttgg 120
 tctttggcaa gtgtcacaaa gatattcatg acccgtaatt aataggaaag attcaacacc 180
 tataggatat gaagaaactt ttagcgtatt gctaaattgc tgatttctta atatgatgaa 240
 agactaactc aatgatgtct actccaatat caatgatata gagtcttggg aaattgaggg 300
 tttttgctta ctaaaattca aatactgaaa gtnttatttc cttaatatct tggttctata 360
 aagattgcaa taaacaagaa gaacagagac actcatcttc 400

<210> 33523
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33523

agcttgcttt atatgtttat ntataggatg gatctttgag cttcaataat gtccctcaat 60
 catgattttc atccatggag gtgccgctga tgattaagga gaagaggtga taggaggcgt 120
 catccactag agaatacccc tggcacgaga agcttcacac caagaaagtg tcttggatta 180
 aaagcttaca gaggaagcga atcacacaga gaggcggggc gtgggaattg aacgaaatca 240
 tggagacaag atgaactctg aagtgtgtct cacatgttct acattcatct acattatgac 300
 aagtgtaca catgtttc 318

<210> 33524
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 33524

ttttgttctg ttcaaacctg caaggcgaga ccaaggtgaa tattgctacg cacatgccct 60
 ggtctcgaca tagattcata gtgtgcatat aggtttctta actcatgac atccagtatc 120
 tgatttgagc cccacccat gtagtttcca gagtaagagt aactacaata gccatcacag 180
 caagctttat aactgggttg aacaaagttc tacacgggaa tctgtgatgc ctcacccagg 240
 ccggctgcag gctggcttat ccaccaagaa ctgcgattgt ccatggacct aaaggttcat 300
 ctttgtgagg tctcgaccga atatcggttg ggacagtcac accgtacaca aacatcatgt 360
 gcgctatggg agactgactg gaatggaatg aatgacaata cg 402

<210> 33525
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33525

ggctctactc ttttcagaac ttgcatcatc gtagcagttg ccaacacaga aggtagataa 60
 ctcatgaacc tcgaatctgc aatgttggaa aacaaaacga aaagcaaatt aaaatctaaa 120
 aacaatatta tgaataagaa aactgacttg catgaaagat gtaacaaaaa tacctccaat 180
 gagggagaga agaacgcctt cagacttagt gaggaactcc cagaagagat gatccttcaa 240
 tccaagtctt cttgtgaagt aatcaagaaa agagagagag gttggagggt tcatcttcca 300
 tccaagagtg ganaggatca aaatctccat ctttntaatc gtottgggctt cgaacaagta 360
 tctactcttc ttcacctaca caattc 386

<210> 33526
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33526

agtctttatt tcagtggcac cagcaccagt gctccggtcg ttaccaccaa tgactcgctg 60

gccaacaaaa acctgtccaa agagaaaaag tatttatatg ggatccaagt taaaagggtat 120
tcaatccaaa ccgaacggaa tatagtatnt ttatgggatc caagttaaaa ggcattagat 180
gttaatttgt aattcttatt tcttagttgt tataggttga tcaaaaataa atttttatat 240
tatttcttag gtggtatagt tgtaatccaa gttatactat ttttatatta ttccattctt 300
taagaattat gaagacagac aaataatatt tatctatctt tcacaaaaaa aaaacaaaac 360
actgggttat cacatctgac ataatggcca ctacaatggt ct 402

<210> 33527
<211> 406
<212> DNA
<213> Glycine max

<400> 33527

agtcttcttg ttatattgta tgcctctga caaatactgt gctaacgaaa tggaataata 60
agacaagtggt gttacttaca taatcatcga cagtatatgc atttatcaag ccttggtggc 120
ggatgcatta aatacagttt gttagcaatc gctcttctac ttaatttaga ttcttaatca 180
atgtcttaaa atactagtta gcattttact tatcttaagc tatagtatat agcctcgtcc 240
tcattaataa ttggcagtag taaagcagta aatttacctg gagagtataa tggtgaaagg 300
aaggggagaaa acgcactctg cagtactcat tatacattca tgtgaacaaa attaatggaa 360
tggttgatat atatacagca tgtttcaact tcaatgcaaa taaccc 406

<210> 33528
<211> 405
<212> DNA
<213> Glycine max

<400> 33528

cttcttgcaa ttcttogggt ccttgaagat atattaacac tttctttgca gctgtccagt 60
gctctattcc tggattactt tgatatctct caagcattcc aaccacaaa gcaatggttag 120
gtcttgtaaca caccgcgcac acataaagct tccttaatga aatgatatgg aatgttcttc 180
atctgctccc tttcaagctc atttttaaga cattgattca tattgaatct atcacctctc 240
acaatagggtg ccatgtttgc tgaacaatct ttaatccgat atctttctag aactttatca 300
atataggcct cttgagacaa gccagaatc ccttgagatc ggtttctatg gatctctatg 360

ccaatgacat atgctgcctc tcccatatca ttcatatcaa aattc

405

<210> 33529
<211> 334
<212> DNA
<213> Glycine max

<400> 33529

ttcttgccgt catttatgag ggtactttgt atcaatcaat gattatataa catttactac 60
aggtgactat actttgaact tatcttaatt tattgatgct attatgaaaa ttatataagc 120
aactagatgt cccgactagt aacaagagaa tatgcaactt gcaggggact taatattgaa 180
ttttggtgtc attatgtacc cctgttgttt tccaccattg gattatgcat tgagatttac 240
gtaatactat tttatcttct attttgaata ttgcgatttc tccttggtat ttatctgggt 300
ttcctaccaa ttttcttact tgttcatcta ttat 334

<210> 33530
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33530

agcttgtttc aaaggtgaat gtgttagtat ttttatatgc agaagcaaac caagaacctt 60
gtgtgccatc gtatgttgag aatcatagtg aagaaaattt agcaccaaaa cgatctctca 120
gcaaactatt gaaagatcaa actttaggaa caaaatgctt ttgtggatat aagaaggcta 180
aaacgtttac atgatccaag gtctgctata gattcacagc agcaagttga aacctccagt 240
ctctacctaa tgtaagtcct gctctgtttc agttctcaat ttgtcctttc aatgactatt 300
gttgatgcta tcatactcac tttcctgttt cctcatantt aatgggtaac attcggcata 360
ttatgaataa ctttctttta tccttc 386

<210> 33531
<211> 235
<212> DNA
<213> Glycine max

<400> 33531

agtccttcaat ctttaatatata aatctttcacg acgcgagctc cacaatcggt aaggggttagt 60
gctttctggg gtgatgtaaa gcgttaaagg tttcacctat ggccttatgg ggtatactgt 120
ctgggtcttcg aaccctcctc tcacgtcaaa gagccgacaa aatattaatt aaaatacata 180
gacgatctta tgcgacacca tgccattagt ttatttgaac tttacattct atgac 235

<210> 33532
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33532

agctttggat tactcagttc atcagaatgc tagacgaaat atagatggga atagaggtaa 60
caatggccgt aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
tcccttcaaa ggtagaagtg atccagatgc ctacctgnac tgggaaatga agactgagca 180
cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
ctccgactat gcccttgttt ggtggcataa ataccanaga gaaatgttga gagaggaacn 300
gcgagaggta gatacatgga ctg 323

<210> 33533
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33533

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atcgagacac tcgtaattga aaacggaagt tctgagaaaa atcaaacgac aataagtttt 120
aactcggatg tcctattgag ccctgttata tatcgagacg ctagtgattg aaaacggaag 180
ctttgacaaa aatcaaacga taataatttt taactcggat gtccgattga gtcccgtaat 240
atatcgagac gtcataaatt gaaaactgaa gctcttagca aattcaaacg actataaatt 300
ctgactcgga tgtccgactg tgtcccgtag gatatagaga tgctcgtaat tgacaacaga 360
aactctgaga aacatcaaac gacaataact tttaacttgg atgtccgatt gacccttaa 420
tatatcga 428

<210> 33534
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33534

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 acaaactcta tcttctaata gatcactcac ttaattcccc ccctttgttt tttgagttta 120
 aacttcactt gaagttaagt tatttaatta tatgagttct tgattcagtc ccaatttttt 180
 ctcccccttg gcatcaacaa aaagccaaag tgcgtataga gacattaaat catacacaaa 240
 ctcataatca tncaagcatt ttaatccata caacaagcaa ggaggacaat aattcataca 300
 taaactaagc aggggaagata taattcatcc attaaactata ataaaatgtc agaataatag 360
 aaagtcaccc cagataacca nnattaaaca acctaattag aaagtaatat actaataagt 420
 gtatcaaata agtca 435

<210> 33535
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33535

cttctagtat ttataagtct tcttggtcaa gtgtgctttg tctctaattg aatataagnc 60
 ttctcttgag ctaatgtcta atgctcatgg tcgttgaggc atttaatgct tacattaaat 120
 gcatgtatct tttcatgttg aaacaccatt ctgggtgact gttgtgttga gcactatagt 180
 aaaaaccact tcctttgact aaaggacaat atcacaagaa ggggtcttga attgcgattc 240
 tatatcttgg tttttttaaa tccttttcac actcaaacca agttttcctc cgaaagaaaa 300
 actttgtaaa atagataaca aattttcaaa aacacaatca aatgatgaaa gatgatntg 360
 ccaagcccaa gatatnttca aatgtataaa tgagaattca aaccctaggt caattaaagc 420

<210> 33536
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 33536

agcttcatgt aatgtgctat aagttggggc actggaggga agaggtgttg ggcttgttct 60
tcgagcccag tggcctacca cgtggcatgt ttgtaggtgg gtttgtgaaa gctagtaagg 120
tggtcccaag aggatccctt gtctgagtat gagaaaggaa attctacgaa agggagttcg 180
ccatggaatt gtctgtcata atgacaaaaga ggtgaatgga atgagaggag gaaaaaatgt 240
aagaggtgta tgaaatgttt caagacatgt attctgtaga gataggggga gcaatatgaa 300
cactaagctt tggagcttga agtagtatta tctatctaca tgcctaactc tatgcgtggt 360
attcgtatag attggtgcat ctcattctct atcttctcat atgcatatca tgcattatca 420
tgtacacgca ggaacatt 438

<210> 33537

<211> 461

<212> DNA

<213> Glycine max

<400> 33537

tggcttctct tgcttagtgc attctattct attgtatcgc tcgcttagtg ggctcttctc 60
gcttaacgca ttctattcag gtatgcacgc ttagcaccta ttgcgcgctc aacacacgtg 120
acaactctcg agcttaacgc ctctcttagc gcttgtgcct tcttgaccgc cttagtgcac 180
gttgcggtgct aagcgcgagc tctgggctgg gcctttctga tttcttcttt ttcttctttg 240
ctatttctca ctttttgctt ttagcacctc cagtttttat atctgcagcc aaaattaaac 300
acaacatcaa ttctttaata tttaagcgca cataactact acataattat cttaaagaca 360
attttgcttg attttctact atcaaagtac aattatttag cacgtatcac tatatgatgg 420
atctaggaac tcatcggtaa gattaccaa agctgatgtt g 461

<210> 33538

<211> 219

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33538

gcatgcgttt nctatacact accaagccca gaggcgttaa cggcgccggt ggccatgcta 60
actccgctgc cggcgtagct ggtgacgttg agttggagcc ttggggagtc atcgacggct 120

tgagtctgaa cgggggttggg gagactgttg aagttggaga tggatagatg aaagaataga 180
gagcgtggaa ctgaagaagc tccactcttt gtctatcgt 219

<210> 33539
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33539

cgtgtncgtc tccataacctg aaacaagaca tagaggaatg agtcatgntt tctacgcacc 60
cctccgagaa agagatatga acagcaatca acgggagttc gtgtgagcag ttgataaaaa 120
ctaacctaga atatattggg ctgccagaat cactcagaac aaaaaaatgc ttcttccttt 180
ctctccatga aatggaagca tcattctgca ctttatttat taatgaaaca gaatatgata 240
ttacactata tatccagtgt catgccctct tattgcttga atctaatagc ataaacctct 300
gtatgagaac aaatgcagct cttaactgga atttcaaata tctcatcata gctataacaa 360
cag 363

<210> 33540
<211> 346
<212> DNA
<213> Glycine max

<400> 33540

agcttctagt ctcaattttg agcgtctcga tatattaccg gattcaatcg gacatccgag 60
taaaaagtta ttgtcttttg aatctcttac aagcttccgt tttcaatttg caacgtctcg 120
aatatattac aggactcaac ttgacatccg tgaataaagt gattgtcaat gcaattgtct 180
cagaacttcg gatctaaatt gtgagcgtct cgatatattg catgactcat tcagacatcc 240
gagtgaaaag ttattgtcat ttgaatttga tacgagctta cgttatcaat ttggagcatc 300
tctcgataaa ttacgacact ctgggtcgga tccgagtaaa aagtca 346

<210> 33541
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33541

tgaaggcaaa ctggatgcgt tggccaactt ggtaacctat ctggccttga atcacaaatc 60
tgtacctgtc gcaagggttt gaggtttgtg ctctctgtct gaccaccata cagacctttg 120
cccttccatg cagcaacctc gagcaattga gcagcctgaa gcttatgcag cacatatata 180
caatagacct gctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
cagcaacaca tacaacctg gatggaggaa ttacctaac ctcatatggt ccagccctca 300
gcaacaacaa caacagcctg ctcttctctt ccaaaatgct tctggcccaa gcagaccata 360
cattctcca ccaatccaac aacagcaaca accccagata cagccaacaa gtgagggccc 420
tccacaacct tccctcgaag aacttgtgag gcanatgact atg 463

<210> 33542
<211> 395
<212> DNA
<213> Glycine max

<400> 33542
tatctttgtt ttttaagaaa agtcagtttc tcaactcaaa cagaaagtgt cagaacattt 60
agcctgaaga cttctagttt ctgagtaacg agagcatcat gcagaaaata ataacagaga 120
aacttcgggt gatgggtgct tagaggatag tcagaataga tgcattgctt caaaattgtg 180
tcaatccagc agtcatattg aagtctttct cgatgaatct aatattcctt ctaatgatac 240
tttgatgcct caagatacat ttggaggggtg aaaatcttag caactacagg ttgagtcaat 300
tccacatgtt gcacttccag atggaatcca gcataagatt tctggaagta aactctggtc 360
ttaacataaa cagatctaaa ctcaaagatc aaaat 395

<210> 33543
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33543

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acaacttccg tttgcccatc ggtttgtggg tgacaagtgg ttgaaaataa caatttagtg 120

cccaacttgc tccacaaagt cctccaaaaa tggcttaaga acttagagtc cctatcacta 180
acaatgctcc ttggcaaacc atggagtctc acaatctcct tgaaaaacaa atcagccaca 240
tgggaagcat catcaacttt cttacatgga ataaaatgag ccattntaga aaacctatca 300
acaaccacaa aaatggaatc tctaccattg cttgtttttg gcagcccaa aacaaaatcc 360
atggataaat caatccaagg atacttcgga attggcaatg gagtatacaa tccatgaggc 420
tntaccttag actttgcctt tntacatata atgcaatggt cacaaaa 467

<210> 33544
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33544

agcttatgtc aagggttatt tcgntggaag aagtgtatgt aagaaagagc tttatcgaag 60
tgtcggagga aggagagtcg tttctttccg aactaaagca tttgcatcaa ttgcaagtgg 120
tggaacttaag cattccatgt gcttgaattt ttccaaagga attgttcttt gacaacttaa 180
gtgattacaa gattgagatt gngaacttca aaactctttc agctggagat ttcagaatgc 240
ctagtaagta tgaaaatttt aaatctttgg cattggagct gaaggatgac actgacaata 300
ttcactctca gacaggaata aagttgttgt ttaaaacagt tgaaaatttt gtgtgggaga 360
gctgaatggt gtcaagatgt attaatgagt cgaaattgat ggacttcaca tttgaacact 420
tatcatataa caacctacat 440

<210> 33545
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33545

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aacatatnt actaatgagt gtcttgaagt gtaactatga ggtgaaatcc tacatccgat 120
agaaatgaaa aaattaaata tcatataaat gaagaaaaaa aaaattataa ttaaggtttt 180
gaattaaagt gtgatttaag tatacttatg tgattactct aaactcatta gtataaattt 240

caccgatggt taccgcctca atttcataac agagtcaata tgccataatt gggatatgatg 300
 catcagctca tatgatttag accaagaaga ctttctgttt actacaaatt aacttgcatt 360
 tgcagacaga aatggacca aaggaataat cagcaaagtt gggatatcta tattatagtt 420
 ggatgggatt acatact 437

<210> 33546
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33546

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 gaaaaaaga gtagtgaatc aagaaatgag agaaaagaaa agtattagtt gagaaatata 120
 ctaagcttaa gagagttcat tctttataat acacaaagta cttgtgagac attataactt 180
 tattgtatat tcaactcattg agtattgtaa agaatctttg attctacatc aaacttttgt 240
 ttgtgaaatt caagagtgc ttagtgaaaa aacaatacgt aggtgttctt agattcaagt 300
 ggagtctaca gggtgtgcca ataatgacca taagaatact cataagccaa aagtgataga 360
 aaagaaatca agtctgatta gcggaatcct ttactagttg gtanagaaga actagacgta 420
 actcaggttg agtgaaccag tat 443

<210> 33547
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33547

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 agagggaagc tccccaagtt ccaactccga acgcgactcg accggccggt aattccaaca 120
 caacaaggaa cttccctccg aggcggttgc cggaattcac cccgctccca atgacgtacg 180
 aagatcttct accatccctc atcgccaatc atttggccgt ggtaactccc ggaaggggtcc 240
 tcgaaccccc ttcccgaag tggtatgacc ctaatgcaac ttgcaagtac catgggggtg 300
 ccccgngca ttccatcgaa caatgttttg cccttaaata caacgtccaa catctaattg 360

<211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33550

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 taagcaggcg agctcctggc agtcaacaga taaaaggaaa acaagaccac aaagcaagga 120
 ggcttgtggt ggctggccag ctgtgaatit tgtgtaatat gtggattgtg gtctctggta 180
 atcgattacc aaaggtgagt aatcgattac aaggcttaaa attgaggaca ggaggctaag 240
 atgggtctctg gtaatcgatt accaaggggt gtaatcgatt accaggcttg anaacgaagt 300
 caggaaactt agggagcctc tggtaatcga ttaccagcct gtgtaatcga ttacacagag 360
 gaatgggtca ctggtaatcg attaccacgc atgtgtaatc gattacacag tgtattattg 420
 catatttcat g 431

<210> 33551
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33551

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 tgagaagaaa actcactcga ccaggagctt gtggaaaatg cccaaagaca attgtgataa 120
 tagggtagat ctgatgttag tcaatcatgc agactcctta ggattcctta tgaatccaaa 180
 ggtggccttt cttgtacaaa ttctttcggg atcaacccat gacatcaagt tttagcaaga 240
 tcaactgacc catggcatga ctctatgata ttaaatcacg aaagtttcac ttggtcacat 300
 accaaagtgt gacaatccat tgccatcctt caatgggggtg catgatcgat cccaaagcca 360
 tatattttct tgttgtgcag aataatcaaa gctnttaaag gacaagggat gaaccttagg 420
 atctaaatct caggtgatta attaaatggt gaatggctcc acta 464

<210> 33552
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33552

caagcttggt tangctgctt angtccttgg actgaatgat tcgtaggat tcctcaaagc 60
aactaaatca tgagtggtaa tattggggag agacattaaa acctaaagaa gagtaacaaa 120
atacatcact caataactaa agctttagaa attagcatcc tcttctttgc aagagaattc 180
caaatggcaa atgcagtcga gcgacaagaa aaaataaagt agccaacaga acaagagaca 240
tactaacctg cctgggagct gcgtgtctat cac 273

<210> 33553
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33553

acatactgtg taatattatt agtaagaaac atagccttct atatttgata actaaacctt 60
cttctccttt tgcattcgta tacggcatga aatatgttac tcctggaaag tccccacctt 120
ctacttcggc caatccacca tacacaacat cccccaccc aaaatogact tttccaaaat 180
gataatatat atctcaagtc tgacacaaca tataaacacct tacagttgcg aataagcatc 240
gacctaata caccattaga tctgccacag aatgcatata ctctccgtc acctaactnt 300
tcactaggtt gattccactg catacccaaa tggatttgca caaagctatc ctgcagcggt 360
gactgctgca cggtatggaa cagcattgcc gtaataacct acgggtaact gatgatagaa 420
ccgtgcacgt gcatcgacta tgca 444

<210> 33554
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33554

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tgcaaaaaga aatgtttttt gtgtcttcga gcttaatgcc agcctgctgc gcttagcgcc 120
ttgagtaa attcataaggc gccctaagct cagcatgttg cgctaagcgc ccagtcaaaa 180
tttcagtttt attnttctgt ttgtgaaaat aaccttgtgt aatctcttgt gtttatttta 240

cattntgcag atggcatcca agaaaagaaa atctccttct acacctaccc nnagccagat 300
 tgataggtcc agaatcacat ccctagaggc ttgngagaga tacactgaca ttgtggtgcc 360
 tcgaaagcta ctaccagaga ggaatgtggt agtttattac ac 402

<210> 33555
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33555

cgatactata gacaactcaa gctttagga ttatggggta cctatcccag tggtagtagg 60
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 ccatcccctg tggcccacct ccaactgagc tcacgtactc ccatgtagcc catatccccg 180
 tttctctcaa caccggatcc ccatcaatcc tcccaagctt ccacaacatc caagcaaaac 240
 aacattcaaa tagaacaagc tatcacagcc aagcaaaaca gagcaaaggc agacaactct 300
 gccaaaacgc caaccaaadc acagcttttc tcaactaaag accccagtaa caattccctc 360
 gttccggttc atcaaccgtt ggatcgactc gaaaanttta ctagaagtct ctagtactta 420
 agcctacatt gtgaccgttg ggatctacta gcaaacatcc agaactcatt ctgtactgct 480
 cttcccacag ccaaccacac a 501,

<210> 33556
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33556

agctttatta cactcatata gtagtttcac accatccgtg ccaccaaaac cccaaaaacc 60
 acatcaaaac catcgaaatg aacattntta cgaactttca atagtgtca tggagggaaa 120
 atgaacacgg aaaacaagag ggaaaagata agggttcctt atcattgaac tagccctcaa 180
 actcaactaa agcacaacta ccaagtcctt tgagtagcgg aattcaaggt ctcaagctct 240
 ctaatgaaag gttatcttgg agagagagaa gaaagtgaag tgatagtatt ctaagtgggtg 300
 gttcagactn tgaactcttt actttgnagt tatgactctc cctatttctt ctaatcacac 360

ctcttcactt gctaaactca acccgccccca tccctataact caagaaccac tcatctcgat 420
tgaacaacca gcctcatcgc tacggatcat actctaate 459

<210> 33557
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33557

actagctgga tgggttggtt atttgacttc ttgtcgcttt tatacataaa cagccccacc 60
atcccaattn tgcaaaaatc atattcatat atcattgggg catttcaccg agcactttgt 120
gggcgcacgt ttggacacaa attgcaagag aatagggaca atgtggcatg cctcattgct 180
tcagaatata acctaggctt aaggcctttt cattcaaate ctcaattcaa gaaaacaagc 240
accaaagcaa accaaaactg cctcacaat ataagcatgt tctcacaatt taaggcacca 300
aaagatgaag aaaacacatc aatgggaagc aaaaacatca aggatggaat acttacttgt 360
tggagtgaat tgaaacacca aaaacgaaag caaacgcga tcaanaatgg cttangggag 420
caagaaaccg caagccttcg tgtctttatc 450

<210> 33558
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33558

agcttgtctg tctgggtgga tcaaataaac ctgagaattc ccagtttttag tggaccccaa 60
tatatactac tctagaaaag agacaaaata gctttttaca cttaatttaa ccagaaattt 120
gaaaaaactt ttgaataaaa ggcattgacta attactgttt actaaatgta cacgtaaata 180
cgtttttcat ctctcanaat atgacggggt tttacttctt ttttgctgga taaacgggtt 240
tttactttta tccctataca aattaaattc aatntcagtt tttatatntg acaaaaaaat 300
gatatgaatt tatacgtcca tcaggaactg aaaagaaact aaaaactaat gtattttcaa 360
gaatgataat aattttcatt tatatataat atagttacaa ttcatttgaa atgatgatat 420
acttaacttt atccttat 438

<210> 33559
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33559

ntataagcgc gggctctgcgg gacaaaggct aagtggctgc gatgttctat gatgatgttc 60
 cgagtacatt ggatttggtg cgaccatgct ctcttgattc ttagctggga aattggcgag 120
 tggaggaacg ccccgacatt tacgcaacga gcataatgta aacctttacg gttttaaaaa 180
 actttatagt taggcctagg cttagagtt tcttttggtt aggccttggtg tcttttggtc 240
 taaatttata atacaaggat ctttcttcat ctgttctac gtctctacc attctcatcc 300
 atttcatggt tactttctta tttctgaaac ggcagatctg atgacgagtc cccgaagggt 360
 actaatacct gngacctgcc tatcaacttc gagcaagaaa cgaatcacac agaagatgaa 420
 cggaatgagg atgtgagact tccnccgaa ttagaaagga tagtcg 466

<210> 33560
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33560

agcttgagct tcctagctta agcaccatag gcattcacta gtgcaatgtg atctttagct 60
 tgttggtgta tcacatccat tcgggtccta agagggtcag atttcaatgc caaaaagggtt 120
 ctatgcacgt atgcattacc agtcgtggga agatcctgtt aacaaaaaac acctaaacaa 180
 ttacatggtg ttcatccaat tactcaaate accaagtggc aaagtttaaa ataacagttc 240
 gcaacagcga tttcagcctc aacatcaagg ttttggtgact atgtaagcaa tttcccgcaa 300
 tgtcaaggat cgcgacgaaa ccgcaatcta aaatcttgcc atgtgggtta tgcttttaaac 360
 tanatctaca aaaat 375

<210> 33561
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 33561

cttgagacaa ggatcctcca aaagcaccac actatctgtt ttcacataaa actaagagag 60
aggattctag gcttgcagaa gtgtcactgc ctccgcaaac cagtaccctc cctcttcagt 120
tcacacaacc ctgtaataaa gatgagtatt gtttctcttg cttacctgca aattacatca 180
aaacagcatt aaagaagaac aataataaca aactgaaaa acatgtgaag ttcgctgaag 240
ttatcattca tgtcatgcca ttatttgagc aattaaaaca aataagcttt aatcagctag 300
acaagaaatt atgtgctgtgt gtgtgtatta tttagaccaa ttcctattat cctatagtat 360
taactattaa atgacaacaa acatcttgga gccacataaa tattctatat tctacaataa 420
tgattgatca tttgtcttga cttagtgcac atgaatatct ggtcaatgca gctaattg 477

<210> 33562

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33562

agcttccact ttatccaagc aatttatctt ccaaatatca tgaactaccc taaaccaaga 60
aaacagggca gaggcagaaa actctgcccc aaacacattc aaataccaca gctntcccta 120
ctcaaatacc ccagtaacat tctctntggt ctgattcgtt aaccattgga tcgacttgaa 180
aantttacta gaggttccta gtacataagt ctacatcttg accggttgga tctactagaa 240
aatgtccaga acccaatatg tactaccttt ccataacca acaatgcaca agcatnttct 300
gcacatgttg aaaagttctg ctgcacaatt caacaacatt cttctgcata atanggcaga 360
attcgaaatc catcttgccc acatccaatt ntgctcanat nggatcctac aagtcttaca 420
tcatgtataa atcatatata aat 443

<210> 33563

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33563

aactcaagct tgagtgtttg ctatanaaaa caaactaaaa ctcgagcttt aagttttcat 60

cattcgctat cagctnttca aagtacagaa ggtcacacat gttgcctaaa acatcccact 120
 tatctaggca tggcaacggg gcccgcccc gacccgcccc gattttgacg gngaaaatcc 180
 gagttgatcg gggtcagggc cggggtcggg tttttccga tagccaaatt cgggttcggc 240
 gtccgggatg ggattcttaa tacctgcccc gaatccgtcc ccaaaaccgt cccgctaata 300
 attaatatat ataacacatt gaaatatgac actattacat tgaatcttat gttagtgtat 360
 aattgaattt tatgtcttat ctaaaactat atttcttatt ctatgaaaaa ttatatttct 420
 ttaat 425

<210> 33564
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 33564
 atcttgatat atgaagtgtc caagggtgaa acttcctgct tttattgttg accacagagt 60
 ggtacctgga gatatgtcgc ggggggtcaag agaccttggt gacgtcaggt ggggtgctat 120
 tgcccaaaac caagcttgac caattccgac ccaaccggg catagtctgt catggagaac 180
 ctgtgatgta cctaagcagg cgagctcctg gcagtcaaca gataaaagga acaaagacca 240
 caaagccagg aggcttgtgg tagctggcca gctgtgaaac ttgactgata tgtgagatat 300
 ggactctggt aatcgattac 320

<210> 33565
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33565

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 caagaataag ccaagctatt gtgcagcaat caatggggca aaacacacca aatgaaatga 120
 tgatggatgg ctcanattct cacaaaggta aaatcatcac tttcaaattg agctntcaaa 180
 actatcatga catgtagaga agaatacagg atttcaagtc acaaaatgtc aagaactttt 240
 attttcaaaa caattaccca tttcttgaac atttcttata attcaaagaa aaacatgcaa 300

agtcatacgt gcacacaaaa ttgacccana atattanact aaaaatccga cgaaactaac 360
aacattaaca aattaacaca actaacanat taacataacc aacaaaact 409

<210> 33566
<211> 213
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33566

atcttattct tttgntctcc taccctcttt ctaatctatg acactagttt tataaaatga 60
tttctaagaa taatgatata tgatagcaat aaaactcatt ataattaaat tcttcgatct 120
aacgcaaccc aggagatatc aaatcatcta acgtatatat atatatatat atatattata 180
tctattataa tatatatata tatatatata tat 213

<210> 33567
<211> 250
<212> DNA
<213> Glycine max

<400> 33567

atatatggtt aaatcccaac tagctcttgc atatgccaac gttaaggctg tgaattatac 60
ataagattca ctaaaataca catctcatga agctataact aaaaaaatat cttaagatat 120
actaatagct caattagctc aatattgtat aagcatttga caacttatac acttatcctt 180
atctttctaa taggagtgag tcgtgtactt taagatttat ctaattatga ctgggttagca 240
tactcatact 250

<210> 33568
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33568

caggccccag aaaaagtctc cggtatatca ccacaagccc ctaccaacaa cggatcctag 60
gccaacacac aatatactac aacaacacag ccacaccatg tcatataaga cccaacctac 120
aacacggagg acactaaccc atagaccgat agcatgcgcc actaaaacat catgcgtctc 180

cgacccgtac tctaagaccg atacacacaa ccgccttaca acggcacacg agcggaatcc 240
 cgaactagga acaatgaatc cactcataa caccatcaa ccgacgggta cacaattgc 300
 gataatatgg cctacgggga acacanacaa cgcacggctc acacacaaag acgacatgc 360
 aatngaccgc gagagccaca aacgaacacc tagccacaa tcacagacc cgctcctaga 420
 cacaacagac tccgacg 437

<210> 33569
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33569

ccgcgactgg cggtgacacc tgatnacnt tcgcaaaacc cccgacacta tacaacactc 60
 caccngaag accatncata ctatgtcatc agcccacttc agctttgctc gataacacag 120
 ccacagatag gggctcgct agagcacacg atactgctgc caatcaaacc accaacgtaa 180
 cacctacacc tcgcaccaca tctccctacc atgccagtgc gcagcacgct aggttgggac 240
 atcctaacag ccataccatg aagctacacc tcacacattg caatatttcc tcaactcaata 300
 aaactttatc agactctagc tcttgccgct gcatggcata atctcataca ttgccctccc 360
 actctctac ttctatatac ctctcttcgg agcccatctt acagacctgc ggcgaccgct 420
 catgacctcc catgctaccc taactactac gcacctcta cgatgcctca tcagaacact 480
 cgatattcct atacaccaac gccaaactccc gctccaacc 519

<210> 33570
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33570

agcttcacct tcaccatata caacacaccc canaacattc aacaccttcg atctgcactt 60
 tcttcttcta ctactcctaa tcatcaaata catcttgctg agttagtacc cttcaactct 120
 acccaacact ccaacaaaga caacaacaca caaaaggctc ctctcactga cctattgaaa 180
 cttggctatg catcactcac ccttgagcct ccttttcgct ccttgatatc acagatcaca 240

gaagaagacg gtcaccctcc actntgcata atatctgaca tggtccttgg ttgggttaac 300
aatgttgcaa agagcttaag cactangaac ctaaccttca ccacttgtgg tgcttatggg 360
atcttggcct atatctctat ctggtcccaa cctcctcata ggaaaactga ttctgatgag 420
ttccatgttc cggaattcc tcaa 444

<210> 33571
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33571

tctgtganat tccagatcct gacaacacct tcttcaactct tacagacaat tcgttcagct 60
cctatatcca cagagaagag attgctctta aatccgcgca acatcctctg tggaggctct 120
actatgtctc caccctaatg ctntaccttt gagactctct tcctcagagc tcgcttgcta 180
atcttcaaca gctgtctcac atcaattaga gccagcttgc catcacttga tgcggaaaca 240
agccatggaa actcataggc aagagaatac acaacagctg agtgaggaac agaattagta 300
aataagctgg ttttctatat ttacgagta agtcagtttt aatggattag catagtcaat 360
aagtggtttc tatctttaag gaacaagta gccttaatac tctgctttgc taatatctct 420
gtatc 425

<210> 33572
<211> 375
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33572

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gaccttcaat cctattacgc aacgtggcgg acaaaaatgg gcaattaact tgaatggta 120
ttattgtcaa tgcggaaggc attctgcgct tcactatcca tggtcacata ttattgcagc 180
ttgtggttac gtgagcctga actactacca atatataaat gttgtttata caaatgagca 240
catcttacia gcttactccc cacaatgggt gcctcttgag aatgaagtgg ctattcctcc 300
ttctaataat gcatggacac ttatccctga cccaactaca attcgtgcga caggctgtcc 360

aaaatcaaca aggat

375

<210> 33573
<211> 458
<212> DNA
<213> Glycine max

<400> 33573

tagacagtgt gtcattgggc atttcaccc ctctaatttt cttattgttg tccccctctat 60
tattgataca aatagtacaa cgaattgcaa aaattgtaga tcaactccttt gctttgatgt 120
gctctccctc gagatattaa gcaaaaaaaaa gacaacacca tggttcacca atgcttcaac 180
aaccctaaat tgtgtaaaga gaagtgccag cagtggcaac aatttatcaa tttatagctc 240
caaaatttcc aattgtgttt gtctgaatta agagctgaca ttgagaaaat agcctcagtt 300
gcattgatat ttgcctatat ttatttctat ccacctcttt ttaacaaatg tttccatcag 360
tattataacg ccgcttatcc attgattcat cgaagttcaa gtatatccaa tgcattaata 420
atttggaac tatattagtg aattatacag aataccac 458

<210> 33574
<211> 348
<212> DNA
<213> Glycine max

<400> 33574

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aatcaaaaga tgtaactctt caaaagggtt ttgaattttt caaattgggt ttaagttttt 120
ctaaaagtta taactcttct aaatgggtctt cttgaccaga catgaagagt ctatataagc 180
aaggcttttt tttgcatctc aagtatcttg aatacttttc caatcaattc tttgcaagcc 240
ttgaatctct ttgaacttct tcttcttcat tgtacaaaaa gctttctgaa gttttctggt 300
tttccaaacc ttgaaaactt gtgctattca tctttccatt ctcttctg 348

<210> 33575
<211> 422
<212> DNA
<213> Glycine max

<400> 33575

cttgagactc gaggtgatag aattgatctc tatgactgca aagccgggtt ctctttcatt 300
catgggaacg actcattcga tgttttcatt cggcgtgaga taaacgctgt gtttttggt 360
ctggcagttt gcttttgtac taccc 385

<210> 33578
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33578

gagaaacca tgttgtgact ggcattcctg tacggccaaa tttcccacca acccaaccat 60
atctttactc agcccataac aaactttctc cttaccacc acccagttat gcacaaaggc 120
catccctaaa tctaccacaa agtctgtcta ccgcacttnc aatgacgaac accaccttta 180
gcacaaacca acaacaccaa ccaagaaagt gaattttgca gcgagaaagc ttgagaattc 240
acccattcc agtgtctatg ctgattgctc catattactt gatattcatg gtaccatacc 300
ctagccaggt catcacctca 320

<210> 33579
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33579

tctccctctn ttccctataa ataggagag gagggagat caaatacgtt caaccctcct 60
ggtatctgag gatcacttga aattagtga aaaaatcatt cccgtgaaga aaatccaagc 120
cgaggcgctt ccgtaacact tccgaaacgt ttccgtgaag attttccgcc gtctttcggt 180
cattcttcgt cgttcttcgg tcttcaatcg gtaagtctc gatatcgaac ttttcaattc 240
attgtatgta cccttggtgg tctcacttg tttcgcgtac ttttattttc atttcgttta 300
ctttccgtac ccccttttga cgtgctttag tcatttattt aagtcatttt ctgcctaata 360
caaaaaaatt aaataaattt ccaccgatca ttcgaattga acatccgtta attccggtta 420
aatgaaatcc gactgttcgg tcatgccgta ccacg 455

<210> 33580
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33580

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 gtaatcgatt acacagtgt aattttgaat tcaaatttta atagcttggtg taaattagtt 120
 ttggacactg gtaatcgatt acatcctctg gtaatcgatt accagagagt aaatttggtg 180
 aaaaataactt tttaacttaa aattcttggc caaacctttt gctacttcaa tnggaattcc 240
 cttcctatctt aatataccct ttctaagact ctaaagactg tcttgatcat ccatcttgaa 300
 tatctnntaa ttctttgtct tgaataaagc ttgagacgc atgtgatcct ttggcatcat 360
 caaaacatca gcttgatcct ttgtctacac atatcttggtg gatcagttct agt 413

<210> 33581
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33581

ccacatcaat tagaccttgc accttatgct tcaaggctct acaatgctta atggaatgcc 60
 ctgnggctcc tccatgataa gcacatgttg tatttgagtc gtatcctcga aaaaattgag 120
 gtcgaggaac cttgggggggt tatggctacc attgaattat ggagtagaca taagagcaag 180
 gtagcatagg acacaaaaat tgggggagaat tctataaact tttttgctgg aaaactcctt 240
 ccttggttgg tgttttggtt tgtgctaaaa gtgggtgttg gcattggttg tgtggcacgc 300
 aagctttgtg gctgatttag tgatggcctt cgtggatgat tngtggttg gtaatgaaaa 360
 gggctaacgt cggctgagta atgacattgt tgagcangta gaanatttgg catgtangaa 420
 tggcagcaaa acatgggttc cttccgcctt ctcattctct cta 463

<210> 33582
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

attttcaaac aaatgggtcaa gtgcttgtgc agctnttcgt ttgaaaagta ctaaatacata 180
 atacgccaga ctatcatcaa atgaagtggga aagagaaaat gttaggattt gcctcctgtg 240
 ctcttaatat ccatttagct atatttcttg attntntttt agtaggatag gataagtata 300
 ggtgaataat ttttaaaaat atttaacatg attacatatt taatatttga atcataaaca 360
 attgttaaat taaaacaatc tcacgtcaca tgcttc 396

<210> 33585
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33585

ntgaagcact cacattgngt tgaagcaatg gaagaagatc taatgtctat tgagagaaac 60
 aagacatgga gtctcacaaa gctaccaaca ggaaagaaag ccatagcagt aaaatgggtc 120
 tacaaaacta agttgaatcc tagaggagaa gtaacaaagt tcatagccag actggttgca 180
 aagggatttc tgcagaagca aggtctggat tatgatgaag tatttgcccc tgttgctang 240
 ttggaaacag ttagacttgt aatagcaatg gctagctaca attgctggga agtacaccaa 300
 atggatgtaa aatctgcatt tcttaatggc tcactagaag aagaagtntt tgtcactcaa 360
 ccaccagggt ttgtgatgaa aggtagagaa acagaggtgt acaagctgca taaggccttg 420
 tatggctctga aacaggcttc cagagcttgg aacaagagaa tagatacctt tct 473

<210> 33586
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33586

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 cttgtaggtc gtagcttaag atgtgaggat gaaatctaatt attagatgtt aacaactttt 120
 cgaaataata ttgatgtcca ggtattggta aaatttaaaa atcaatatgt gtaaagagaa 180
 atacgtgtga tttgtgngt gtagtggttaa tcttttgagt atctataaaa gaggggtggac 240
 tagaaatgga agatacaaat ttcactctac atctttaatt gacctttcac attanaatgg 300

665407 = 3014460

tgattctgac gtgacacttc tatagaccgt tgagaatgta cttatggaaa tgtgataaat 360
gatgtgaaca ataaaacaat ggtcgattag aaatttaatt aagacnatag ttttgccta 420
tattactaat tgatcatgtc caatcaaagt 450

<210> 33587
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33587

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ggctgcagca ccggctccgc ttccctaact gtactggaag cggntgtcgt ggctttatcc 120
tctatagttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180
gccgatagat tgaccttcac ctgttcctgc acgccctctt cattatccat tnttctggat 240
cgagtgttat agggatgcct tgggtgtttc ttagttatga tgaaattcct aaagaaataa 300
acaaaggtga gtatgccacc aaaacatgaa tatgcaaagt aatgatcgga gcacttggat 360
ccacccaag ggtttttaga taacgtgatg agttcagaaa ttctcattnt atacaaagac 420
caatgctttc atctagccac agatatacaa aggggtgtaca agagaacctt acg 473

<210> 33588
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33588

ttctccttac gcactctgtc ggtatttcac accgcatatg gtgcactctc agtacaatct 60
gctctgatgc cgcatagtta agccagcccc gacaccgcc aacaccgct gacgcgaacc 120
ccttgccgnc gcactgaata taaactccca tactgtctgc tataccaagt actaccgtg 180
agctcggact ccactcgtca ttccacggac taaacg 216

<210> 33589
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33589

agcttctcat ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtgag acacaactca 120
aagttcaact tctctccctt tttttcttcc ttcaatttcg tgctccccc tctctctttc 180
tctccctctt tcttttcttc cattgaagca tccttccaag cttcttatcc aaggctcatc 240
ttggtggtga agctccttct tccatggctt attccctagt ggatggcgcc tcctcntccc 300
tcttctnctt tgtcttcgcg tgcattcca tgggtgaaaa ccaccattaa aggacctcat 360
tgaagctcan agatccagcc tccatagana gctcacaagc aagcttccat c 411

<210> 33590
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33590

tgcttgtgaa gcttctatgg tggctgaatc tttgagtctt aatgaggtcc tttaatggtg 60
attctccacc atggagatgt agcggaagac acatgagaag aggtgagagg aggtgccatc 120
cactaaggaa taagccatgg aagaaggaac ttcaccacca agatgagcct tagataagaa 180
gcttggagat gatgcttcaa tggaggaaaa gaaagaagga gagaaagaga gagggaggag 240
caagacattg aaggaagaaa aagggtgaga agttgaactt tgagttgtgt ctcacaagac 300
tctcattcat canagttaca ataagtgtta cacatgtttc tatntataga ctacgtagct 360
tccttgagaa gctntcttga gaaaacttcc ttaagaagct tctttgagaa aatntccttg 420
ggaagctaga gcttagctac acacaccctt ctcataacta agctcacct 469

<210> 33591
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33591

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ataattcttg acgctagaaa ttgaatacag aagctctcac canatttaaa tgacaataac 120
 tttttactca gaagtctgat tgtgtcccgat aatatactta gatgctcaaa attgaaaaca 180
 gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240
 taataattcg agacgctcan aattgaatac agaagctcta agcanattca aatgacaata 300
 actnttgact cgaatgtccg attgagtcatt tntataattc gagacgctca anattgaatg 360
 caggagctct caccannatt aaatgacaat aactntntac tcagaagtct aatgggtgtcc 420
 tgtaatntat cta 433

<210> 33592
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33592

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 ggacatccga gttaaaagtt attgtcgttt gaatttgctt agagttactg ttctcaattt 120
 cgtgctctc gatatactac aggactcaat cggactttcc agcaaaaagt tattgtcatt 180
 tgaatttggt gagagcttct atattcaatt tcgagcgtct tgaattatta agggagtaaa 240
 ttcgacatcc gagtcaaaat tttttattgt ttcaatttgc tgagagctgg tgtattcaat 300
 ttcgagcgtc tcgaattatt aaatggttca atcggatata anagtcaaaa gctattgtcg 360
 tttgaatttg cttagagctt ctgttttcaa ttctgagcgt ctcgatatat taccggactc 420
 aatcagacat ccgagtataa a 441

<210> 33593
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33593

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 agcaagattg gatgagggga agtgtgattt tcgaaatctg cacttatgca gaattttgct 120
 gtcaaaatat gtgcagcagg attntagctt ggtgcagaaa atgcttgtgt gtggttggt 180

gtggaaagag tagtacagaa tgagttctgg atgtttgcta gtagatccca acggtcacaa 240
 tgtacgctta tgcactatag acttccagta taattttgga gtcgatccaa cggttaacga 300
 attggatcga agggattggt actgtggtct ttaagtgaga aaagctgtaa ttntgggtga 360
 tgtgttgagc agagttttct gcctttgctc t 391

<210> 33594
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33594

ggacctataa aactcaacta tggaacttgc tcttaacaca agtctgttgt tctttgactg 60
 ctgacagcta gagacttttc tttcttacgt gcttcgactt gttaaagttc atgttcatga 120
 acttaacagt accaattaat tctttaaagg aaattgagtc aagattcttt aaaaccctta 180
 gtgttggttac ttgttaatgt ggctccttgt agagcttgta agccttggat cttcttcac 240
 aatgaagtcc ttcgcttctt gaagatcaat ggccgcggaa tggagaataa ggaaagggtta 300
 ttggagatgc cactttaacg agaagatgag tctcgaacaa gctcaccacc ataggaagtc 360
 atgcataaga gcttgaaggt aggagaagat ggggtgga 397

<210> 33595
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33595

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 tcaatgcgtt acattcacia tgctccttgt aactctaate ttcactttcc taagtggagt 120
 gtgtaagcct caaggtaaaa gaaaccaatt acaagccttt ggaaagtgtc tcacaacttc 180
 ctatgcatgc cttggaatgt gttcctcaat ttcctgtgta tttaaatttg tatgtgtcac 240
 aacctaccct tcggcgggag ggcgatgcga gggctcacgg gtgcgtcttc catgagagga 300
 aaatgtgcgg agtcgccacc aacgtttatt caaggaaaaa gttagaanaa tcagaaagggt 360
 gtggtctacg aactntaagt gtgaaagggt tgngacaacc tttaatcaaa tgtgcaatat 420
 catgtcttc 429

<400> 33598

gttaaccttg acttggtaga acctcttgcc gatttgattt gttcccatgc ttgctaaagt 60
gagacaaaag ctggtgcaaa tcaaaactcc gatattctcat ggggtggaatg gatgaatgca 120
tgaaggaatg catataacac agatgcaatc taggaatgcg ggggtccggg gaattcgtcc 180
ccttcttaga cacaacgtct aggggtagca aagtgcccca acgtacgttt ttaagaaggc 240
gacacggacc ctccgttggt ttgtttacac aagggatcaa gacagaacct atatgcatg 300
cctatgcaaa agacacaatg cggaatgta cacagtatga caatattcac tgaacataag 360
caaaagggtat tatgatactt atgcatggca gtgtgaaaaa tggcatgcac cgtgtttgct 420
cgtgccccta t 431

<210> 33599

<211> 407

<212> DNA

<213> Glycine max

<400> 33599

agcttaatgg tgcaatccca atcgaaattg gccaaacttca taagttgtca atactgaatt 60
tgagctggaa ttctctgggt ggatcaattc catttgagat tacaaagttg agcaatatta 120
ctttcttgaa cttgcaaacc aacaatctaa gtggttccat accaacaatcc attgacaact 180
tgaaatttct ctttgaactc caactcaggg aaaacaaact aagtgggtgtg ataccaagca 240
tgccggggag tttgcaggtg tcaactgaatc ttagtagcaa ccaactttagt ggtaatactc 300
ccaacaattt tggtaatgtg gatagcctgc aagtcttga tctctcaaat aacaaatttc 360
ctggtccaat tccaaccaa ctaactggaa tgtcagctct gacatag 407

<210> 33600

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33600

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ggaatggggt taggcaaaga caacggcggc ataactagcc tgataaatgc caaaggaaat 120
cgtgggaagt atggtttaag ctataagccc actcaggcgg atatgaagag aagcaccgcg 180

ggaaggaaaa gcagtggcca aagctcgcag ttgagacaag aaagtgaagg aagccccgcc 240
 tgccacataa gcagaagctt tataagcgca ggtttgggag acgaagggtca agtgggtcgcg 300
 atatacgaag atgatgttcc gagtacattg gatttgggtac gaaccatgcc ctctgatttc 360
 cagctgggaa aatggcgagt ggaggaacac cccggcattt acgcaacgag cataatgtaa 420
 acctttacgg ttntaaaagc tctatagtt 449

<210> 33601
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33601

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 aatatccaaa attacgattc tagtgtcgac aaattatcca taacgtttta attgttaaaa 120
 ttacaaaata aaagaactca aataatagac gtctaatagaa ttaaaaaaat atataatctc 180
 ataaaataat cttatgtata attacataac ataaaatagt aaaatagtaa aatagtaaaa 240
 tagatgagac tcaacttctt ataatgctct ttatttttcag caatgaagct aataattatt 300
 cgaaagatac attgcttggt ttgcagctat acttatgctg aataataaat agacgacgta 360
 cctcttagca agtcatctag gcgtacttct tgacatatca tnccatgaat at 412

<210> 33602
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 33602

tgaaagtgtg taaaccacca tcttcttata gtataattct ggtaacatgt ctactatcat 60
 cggatatgcc tccctcttcg cattgggggt gctacttgag ccgctaaatc cctccacctt 120
 tgggcgtatt ctttgaaaga ttcggtgctcc tttttgcaca cattctatag ctgcattcta 180
 tccggaacca tatcagaatt gtactgatat tgcctaacga aggcaaccat tacgtccttc 240
 caagaatgaa ctcgggaagg ttccaagtta gtataaccagg tgacaactgt cccagtaaga 300
 ctttcctgga agacatgcat caataatttt tgatctttcg catatgctcc cattttccta 360

cagtacacct

370

<210> 33603
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33603

agcttctcat tgaagcattc tantctataa ctagaagtat gcgtaacact tgtaactttg 60
atgaatgaca gtcttgtgag acacaactca aagttcaact tctctccctt gttcttcctt 120
caatttccgg ctcccacctc tttccttctc ctctctctt tttcctccat tgaaacatcc 180
tctccaagct tcttatccaa ggctcatctt ggcggtgaaa ctcttcttt catggcttat 240
tccctagtgg atgacgctc ctctcaccta ttctcctatg tcttgactg catctacatg 300
gtggaagatg ctcatataa gacttcattg aagctcatag atccagctc catagaagcc 360
cacatgcaag atccatcatg ttcataatgc tc 392

<210> 33604
<211> 405
<212> DNA
<213> Glycine max

<400> 33604

tctggaggaa gcctcttaat gaagcttcta gagaaagcta catgatagct ttctcggcaa 60
aaacgatgcc cagcgcttct taaccgctgg atcttctcaa aatttggtct gcaacttcgc 120
aagacacttt tccatgatct gaccgttggg atctttgaga agatgtctgg agtgtgctat 180
aagcctctta atgaagcttc tggaggaagc ctcttaatga agcttctaca gaaagctaca 240
tgaagctgcc ttggtaaaaa cgctgcccag ccttcgttaa ccattggatc ttctccacat 300
ctggtctgca acttcacaag acaatcttcc atgatcttaa cattgggatc tttgagaaga 360
tatctggagt gtgctagaag ctctcggtcc cgagagcatc tctta 405

<210> 33605
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33605

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 tttgagaaaa attccttgag aagctagagc ttagctacta cacaccctc tcataactaa 120
 gctcacctcc ttgagaagct tccttaagaa gattcctaaa gaagctagag cttagctaca 180
 catacctctc taatagataa gctcaccttc gtgagatgag aagctagagc ttacctacac 240
 acccncctata atagctaagt tcaccncat gacaaaatac atgaaaatac anaaaaanaat 300
 ccctactaca aagactactc anaatgcctc gaaatacaag gctaanaccc tatactacta 360
 gaatgggcaa aatacaaggc ccaaacgaag gaaaacctat tcaatattac caagataagc 420
 gagctctact tagccatg 438

<210> 33606

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33606

ctaagcttac atcaaccact tcgggtactg acctactttt atggtcttga tggggcctat 60
 gcaagttgaa agccttgag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgn gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaagagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattacga gtgatcatgg 240
 cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcaactcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt ganaggaaca acaggactct 360
 gcaagacgct gctanggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420
 agccatgaac acagcatgct acatccacaa cagagtcaca cttagaagag ggact 475

<210> 33607

<211> 441

<212> DNA

<213> Glycine max

<400> 33607

agcttggttat attgccgctg aagattatca tgagaggaaa ccaaagctt gtcgtttgat 60
 gtctgggaag gcattaccaa tatcaacgta tcataagtgg ttggatagat tgacgtctga 120

tgttgtgtgt taaattcctt atgttgacca cctgcaata agagaatttg agttgatctc 180
 tttatttttc aaacatatta gatgaagtcc atcaattgtc atacaccaac ctaagagggt 240
 tgtgctacag tttgggtatg tttagaccat tctccacac cctgctactc catccctatg 300
 tatagaagat attgatgata gatgtattca gttctctgaa taccttgac tggtgggtca 360
 aatatgtgtt acgcatagac agaatgcagc atactacatg gagtgatctt acatgatatc 420
 tcatcccttc atgagttcac a 441

<210> 33608
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33608

ntgaggaagt tccaactctg aagaaacaaa ccttcttttg ccattntgag ggagctcagg 60
 atgaggaaga gaaggaacaa tcccctcaag gtgaggaaca agtgctgaaa gcggtccctt 120
 ttaagaagcc actggactat ggctcttttt atgaaacctc aaaacacttt tctatgaaag 180
 agaagaacga tgaggaatac cattttgagc ctcaaaatga ggtactatca gtcgatgaat 240
 gtgggtcaatc tgctcagaat taagaagctg aagatcataa cacaagagct taaaatgcta 300
 gatattagaa tgaatacatt caccctatg aggggtgtaa ggctgttaaa gctcataaga 360
 ctatgggttc tgaacctata caagaggatg caaatgtgaa gatcattcta at 412

<210> 33609
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33609

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 agtgaaattt acattaaatt caataagaag gcttctattg agcacaatg aaaactaaaa 120
 tagaaatatt tacaatccta ccaaaaatta accataaatt gggagattta tttacattnt 180
 ggaaactttt ctatacaaaa aattagtcac aaaagatgac taacaccacc tgtgatcgat 240
 taaataatca atgtaatcga ttgtttcgaa gaattaatca attattntat catttcaatc 300

tatcanagtg ttattcccaa catctagaaa gctctcaaga acaaagtaat cgattagatt 360
 cttgatgtaa togattaaag tgttcttgat cactnttggg aacactnnta agaacaaaagt 420
 aatcgattag gatcacctgg taatc 445

<210> 33610
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33610

tncatcaatt tatctcttat ttcagcctct gttgaagtgt catcttcatt caccaatctg 60
 gataggtggt ccgctaccac aatttcagaa cctttcttgc ccttgatgac taaatcaaatt 120
 tcttgaagca gcagtatcca tctgatcaat cgtggcttgg aatcaacttt gcataacaaa 180
 tattttattg ctgctgcatc agagtaaatt actatcttgc atcccaccag ataagatcaa 240
 aattttctcaa gtgcaaacac aattgtcagt aattctttct caatggtggc atagttaatt 300
 tgagcatcat tcaaaaactct gctagcgtaa tagatgcgat gaaacattct gctcttctgc 360
 tgccccagca cagcacctac tgcataatca gttgcatcac acatcaattc aaactcttgc 420
 cgctagtctg gtgctgtaat cacaag 446

<210> 33611
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33611

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 aagttctcga tgataagaat gtcatacgcg gatttcgcgc ttcagatttc tcagcgtgta 120
 actctgcccc tgtctgcgtg tctgattatt atgaacacaa cttcagatgt ttatctgctt 180
 ctgggggtttt tatgtgcatg agtgctcgtc cctaccaaat atccagagcc tcgactttct 240
 gactaggaac attttggcat gattcttatt tttagggtcat tgtattcta 289

<210> 33612
 <211> 465

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33612

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gattcaaact ggacaaagca aataattttc ttggcataca tccttatgct catttatcaa 120
caaccccatg agagaagaat gagtcttctc tatctcattt tggctgtaac tcatctcatc 180
tatgtaacga ctgcgccctt ctacatgttc attagaaaac tgatataacc aaaaacttta 240
ttttacctca tgtacaactc tccacatcaa ttcatTTatg aacacacata tgacattttc 300
acatttaaca aaccatcatc taaaacctca caacttcaac gtaatgcatc tatacactaa 360
tatcaactga atagagccat gtattctggg cactacaaca tgttatcata agatacaaca 420
tcatcagcac taaacaccca actatttaga actatataca cactc 465

<210> 33613
<211> 373
<212> DNA
<213> Glycine max

<400> 33613

ccttgaccca agagagaatg tcaatcctta ccctctgacc aaaaaagaat aaatgcgaaa 60
ttccactcat ataacaagag aaagaaaact tccaatgata gctaacaata gacaagaagg 120
gaacttcccc tatcatagac tgggagaaag cacatagaaa acaaccgaaa tgtccagtca 180
agaatggcaa aagtcaaaag gaataagata acgaaaaaag ctctgacaag gatcaatgat 240
aacagaaaaa tgtcataagg tcttgaccga catatctgaa caatcaaattg cacctatgac 300
aaaagaagaa ggccacacc taaaggcttt ccttgatata acaaaccgg cgctacactt 360
tcgccgcata aaa 373

<210> 33614
<211> 578
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33614

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cccgcgcgctc ggttgancctt ganaccctcg aaactccgaa ntaannaaat ccannnacaa 120
 naacagagca aacnnnaaat ttatggggta tttgcatga gagaccgcg tatagcgat 180
 atataccatc atgtacctcg actttaggaa attaaatcgt caccatcaaa aagggggaga 240
 ttgtccaagc aacaacttcg atgttttgat gatgccaaag gaccatgtgc ttctaaagct 300
 caattcaaaa cgatcatgcg cttatcaagt ctaatctcag accaaaaacc atgaaattca 360
 agagacatga ccaagatcaa ctctacagac gtatgaatgg aactccagt tgaaacagca 420
 aaccgtctgg ccaaagaata taagttaaca cgtctttaca agagacttac tctctgcgaa 480
 tcgactgcta gacgattaaa tcgaccacca ctgcgccaaa acgaattcga actatctata 540
 gcagctatta cacatctgaa ttcaatctac aatgcgcc 578

<210> 33615
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33615

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 gttaatcata ccgtatatgt gtccatgctg aaggatgttc gttctcttac agttaatata 120
 ttcattcccc aacgtatata ctctattagt tcttaccgct tgcttaagat caaaaccact 180
 aaatgaanat attgtaattg actctagggt atgcaaaaaa atcatgtcgg aaagagaata 240
 ttcactgtga gtttactcat agtctctaac acatagttgt cactgctcta agcaagaaca 300
 acttcatatc aatatgatgt taaaatacaa tcgaagatac acacgcatgt gctgattgta 360
 ccaataacca ctctcaatnc taactaatgc acgagctgat actatcgact ataaatcttt 420
 acccgat 427

<210> 33616
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 33616

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aatatagcag cgtgtgaata aagcggaacc ttttatctta cttttacttt taaacaagtg 120
 ggtagccttt ccaaaagtaa cagtgaatac tacaatatac cagctctaaa ctactaatct 180
 ctatgttctg catggaaact catgctactg caatatgatc agtgggtcaaa attatatacc 240
 atactatgac aaattcatca tccgaccaca atcgatgtca tgcacagtgc gtgatacaca 300
 tcagggattc tattattgaa atatacaaca attggttaaca aaa 343

<210> 33617
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33617

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 tagaaaggtg acctaagcac ttgtgtcata atgctcctga gtttatatta tcaattctac 120
 gcttagtacc acacaattct gcattaaagg attcaccata ngaagctaca gtatcaagta 180
 aatatcaatt atcattagcc aagagtgaac tgggtccaac aatatctgaa ttgaaagaca 240
 acctaaatac attgtttcca aatgaacata agtaacccaa tttgttcaaa taagaaactg 300
 aaaccaaatt ccatctaaat gacagtacaa caaaagtgtc tttcanagta agaaacactg 360
 atgttagtag tggcaccaga atctaaccac caagtgtttc taggtactgg agctaaattg 420
 acctcagaac agac 434

<210> 33618
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33618

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 cgggtggcgcg acaagacgag acgcogaacg cgcaacaatg cactacgccc ttcggccgag 120
 gtcgcggngg tgcgacggag atgcatgcaa acggaagagg tcacagcaag gtcacggtag 180
 atcgaaattn tagagaaacg ggggaagcggg agctcgagtg cgagtgttca tgaattagca 240
 cgaaaaacct tataaacctc aatgttaacg atgatggctc aagaaaaacg tccttgacat 300

gttataagta ttttatgcta agcatagcta ataaatac

458

<210> 33621
<211> 329
<212> DNA
<213> Glycine max

<400> 33621

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catggatgct atgggtggcaa gcacattacc catctgattt tcctctctac gaatgtgggtg 120
gaaagagacc tcatcaagaa ctcaatcagt ttcttgatgt acgcctgata gggatatcaac 180
tagagatccc tagtttccca ttctcccctc agctggcgaa ttaccaaggc tgagtctctg 240
tacactataa gcaatatgac attaaagtca attgccactt ggattccgac ggcacatgcc 300
tcatactcag ccatagtatt cgtgcaatc 329

<210> 33622
<211> 444
<212> DNA
<213> Glycine max

<400> 33622

ttaaaatctg aattaaag tccaataact gttggctttc tataaccata tatgtgtaat 60
cgattacaca atgcacattt tgaattcaaa tcttaatagc tgttgtaa atctttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccat agagtaaata tcttgaaaaa 180
gactttttta cttgcatctc ttggccaaac cttttgctac ttcaattaag aattcccttc 240
ctatttaata tacccttcct aagactctag agactgtctt gatcatccat cttgaatata 300
tttaattact ttgtcttgaa taaagctttg agaagcatgt gatccttctg cgtcatgaaa 360
acattcacct tgatcctttg tctacaatct ccgcctgtgc gatgatgaca atacttgaaa 420
taagacaagc tatatacaat atga 444

<210> 33623
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33623

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 tgccacagaa tccagacata aactatcatc tcttaacgcc tcaactcttat tatcatcatc 120
 acaccacata ttaactttct caccgtaggt gaactctaca tagcatctct cacagttgtc 180
 catgggctat tcttgcttat aaacatctct aacatgatca cataaaccct aaacaaaatg 240
 ggatgtctac tca 253

<210> 33624
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33624

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 tcgtccctcg tcgggactat gtttcactt gctaactctca accaccgcaa tgacatatta 120
 cacatttgac gcatgataca gtgcaaaact ccttagaatg ctagtaattg aaatcatctg 180
 ggcataggat ggaattactc tattgagtgc gacatgcctg atgaccatag tgaatgtatg 240
 aatacatgca ttctgacgat gccacacaat aatctaaca agtctgcttc ttactacct 300
 ccctaagagt ccatgatagc ctgctacat attaataccc gatgcttacc aatcctcatt 360
 gatcaggatc tatcaagatc tgcatactct caatacaagg tgtcatagct ctacgctctg 420
 taatcatacc atgttggcac tgatacccct gcagttttat aataaattac agtgctttac 480
 atcattacg 489

<210> 33625
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33625

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 gcacgaatct tatacccagt gggttattga taggaccaag agctttggcc taccctaccg 120
 cttaccacaga tacctatcgt ccaccatccc accatcatcc ttgcctatcc cttttgatac 180
 taaggaagag tttcatgaac aattaaccaa agaaaggcaa gagaaagaaa cttggaagag 240

gagataccag gagctcgagc aagagaatga gattttgaag gggaagatag cccaacagag 300
 ccgtgagctn tttatccaga accagaggat gattgagaag gacgacttgc ttcgtcggan 360
 agacgctttg ctccaccgag atgctagaag aaagaggagg tttatggatc tgttctcccg 420
 tgcacat 427

<210> 33626
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33626

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 tagtctgact taagtattat ctgttaggaa ttttataatt cctaattaat taatatgagt 120
 tacatattat attataatat ttatattagt tatttgatat gtttgatata attcaatgag 180
 cggaaccag ttggtccatt aggagataat gagaacccta atagggttaa accttggtta 240
 ttgttcccaa tacatcaaat caagaaacag tttttcctct tcccatctaa agagaaaaca 300
 tagatcccat aagaaagaag gtgatttggg tgaggaaagt cattaaacta attgttcatg 360
 attgctgtaa gattccgctg cgtattaatc aagctctgtg gaccagata ttccttaaaa 420
 cctcttgatg atctgacctat at 442

<210> 33627
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33627

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 tatttataag atactgctaa gtgccaatca tagatactcg catctctgca taatacgtgt 180
 tgttgagtat aggaaccatg cttccttggg tcatgctgat tcttaagtag aatcgtctat 240
 catatatact atatgaatat gaattcacta tatgaatgct caagttttat ctctcataaa 300
 atactaatct gatcgatatc acatctcact tcatcagtc tctacaatct agatatactt 360

ctggatccta tgtacataag ctactactaa atcataacta gccactccgt attgtggaag 420
cgatctctac cttaac 436

<210> 33628
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33628

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aagcatgact actgcctatt caccattaga tcatggaata acttagtcat tctactaatg 120
catatcgatg acatgatcct gtcaggacca aattctagac tagggcaagc tagtgagacc 180
caattcaatc tatgtctcaa ttgaggatcc ttggcactat gaaatattat cttggcttat 240
aattatctaa atgcaacaga ggtatctcac tttcctagag aatatacact ctatctcttt 300
tggaagatac atgtttattg acatgcaaac cgatcaatct atcgatggat cccagactag 360
atacttactg cctgataaat caatcttgat gat 393

<210> 33629
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33629

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ttaacctang gaattaaaac aaacttaatg gctgagtgtg actgaaattg ttggcaacca 120
aaagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc 180
taagttgcca attgggccct tattacaact tgaactanag cccttttagt tgattaaccc 240
anaacatatt ttgggtcagc caactttaca aggatngggc cattatntag acaaactaaa 300
cactctaaaa ttgaaataaa gtggtgtcat ttagtccttc attngggcca tgatacaact 360
cacaaccttg gac 373

<210> 33630
<211> 455

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33630

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attgaacaat ggaagctctc gagcaattcc aatggtcata acttttaact cggagggtccg 120
attcaggcgc ataatatctc gagacgttcg aaattgaaca atggaagctc tcgagcaatt 180
caaattggtca taacttttca ctccgagggtc cgattcaggc acataatata tcgagacgct 240
cgaaattgaa caatggaagc tcttgagcaa ttcanatggc cataactntt cactcggagg 300
tcngattcan ggcataata tatcgagacg ctcgaaattg aacaatggaa gctctttagc 360
aattcaaattg gtcataactt ttcactcggg tgtccgattc acgcacataa tatatcgaga 420
cgctggcaat tgaacaacgg aacgtctcga gaaat 455

<210> 33631
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33631

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aaggaataaa agaggggagag aagtgggaact ttgaagtgtg tctcataaga ctttcattca 120
ttaaagttac aagaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
agttttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt cagaagctag 240
agcttagcta cacacaccca tctaaaaact aagctcacct ccttgagaag cttccttgag 300
aagctagagc ttagctacac acaccctctt aataactaag ctacacctct tgagaagaga 360
agctagagct tagctacaca ctctataat agctcagctc acccncatga canaatccat 420
ganaatacaa aananagcca tactac 446

<210> 33632
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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<400> 33632

tatganaagg tttagccaaa gactgtattn tcatttgtct atgggtccaat gagttacttc 60
acataataag gaaaaggaaa atatctgaat ggaacatca ttgaaacatg tttagaagta 120
ttaataagat attttctactg ctagatcagc agacctaaact aatgacatga ttttcttggt 180
acttgtttca cgctgaatth gaagttgtat caaagtcacg acttattagt cagtataatg 240
ctataaaatc tgcaataaat taaaactatt atgggtttata actatttgag gctttctctc 300
agtcacccaa tcttggtgaa cctaataagga tgactatgcc ctgatgggag aaaaaaggc 360
gaagaanaca aacagatgaa cttttcaggt acaaccatta atctatgtga atatcanagt 420
aaaataatag atacacttat gagttntgtg gcctcagtta atagataaac atag 474

<210> 33633

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33633

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gtaagttctt aatcaatgcg gtggcattgt ccgaagggtc ttatcaaatt attgggtcat 120
tttgctcact tggctaacca tataaaagta tcaataagaa ttgtaatgtg gggttccatt 180
gtgatgtggt agttgattat gctttacgtg gttttgaagc atgacgagag ttacacgcgc 240
agcatagttt ccacccgtgc cggatgatgt tttcacaact tgaagggtaa attttagttt 300
attgggttgcg tttgattgtg atgatcatgc ttaattattt ggtgttgatn tgccaacatt 360
cttacgagat taagaccgtg gaactcgtga agccaactgt gtgggcttat ctatccttgc 420
ctagagctga tcct 434

<210> 33634

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33634

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 ttttcataac atataatgta ttatttggca tagcttaact tgaaaataga tctattaaga 180
 caatgaataa aataataaaa ctgtcaagtt gtcaactgat taaagaatag tatattacgt 240
 tacagtaaaa aaatagtata gtatagtagt agctttcaag tttttaacta aaatattata 300
 ttttaataat taatataaac gtattaagtg agtaaattgt cacgcgtatg tttgtacata 360
 ataatatata ttacaaatac atgtgtacca gacgctctta gctggcatat tgatttaata 420
 ttgcatcatc acaagcatag agcataaact agcattatgg ttctctagat gatgt 475

<210> 33635
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33635

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 tatttccttt ttcatactat tgtttaggga agcacagccc aaaataccta gtttaagttc 180
 atgatccacc tgcggctatt tccttccttg gcgattgaca tctgccaata caactgtaat 240
 atacacatgt gatctttaca ttcaactgaa tctcctcact accactttgc gcaactacga 300
 catttcttct tctgatatga tacctcacct 330

<210> 33636
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33636

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 tcgnatncct agaaacaaag aagggtctta acttttaaga gattgtatga gaaagaaaaa 120
 agcaaaatta tccttaaact atcacgcaca tgatgaatta tcgttaacaa aaatcaaact 180
 atgacagaca agggaatgtc attataatga aattgtaaaa gttatagaat ttactatata 240
 taacaataat ttacaacgag attctcttgg gataagtatt aaatgaatga aagataaata 300

taatttaact ctaaaattta ataatctagc aatctggatt ccctttctta aggtgggaga 360
catgttggt cttccacctt agctctcatt gccaatatat aatgtacctg tctggatcatg 420
catagctaag atacttttca catctacagt gaagctctcc gtatagcttt acatc 475

<210> 33637
<211> 304
<212> DNA
<213> Glycine max

<400> 33637

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ttccaactaa ctactggaaa agatatggac gcatggaaaa tttatctgtc tttacgatat 120
atgttggtga attccaagac gatgtgacta cgactgaatg gaatgcttat gcctttgctg 180
ttcattgatg ccacctttat ctatgtacag cgtgcctaaa tcccataata cagtacaatg 240
tgttatgtca atggaccata catggattat gttaatagtt agaccttcat accttactca 300
tact 304

<210> 33638
<211> 293
<212> DNA
<213> Glycine max

<400> 33638

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cgaaacaaga agactgacag ggtaacgaag taccacgtct ctcaagagaa ataacaagcg 120
ttgaagacta aactataaat aaaaacatta tttcattgta caaagcatac ctttcttggtc 180
cttctggcta agatcaagtg tagcatctgt tcttatcagt tgaatatttg atatgtggac 240
cattggctca cacgatatta aattaatctt ttgaggggga ggtccatta tag 293

<210> 33639
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33639

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 acccactctg tcatcatgcc gagactcang aagcccaaca ggttttagcct tctctaagta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
 atgatataga ttctttgtat accctnttaa gatcttcatg tatcgctcaa ccgggtacat 300
 ccaccgtaga taaacaggac cacaacattt gatttctctg accagatgca caatcaagtg 360
 aatcatgatg tcaaagaaag cagaggggaan atacatctnc aactgngcac agttaattgc 420
 ggctcattn tccaactcat canacatgac t 451

<210> 33640
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 33640
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 gaggtcgaag agaagtttga cagaacagct gagcaaaata gaagagaata tgttgataat 120
 cattgatcaa tataaggaga aggtgaacct agctgctagt catggacata tgctggaagg 180
 tatcggctct gtagattgaa aaggaagcaa gagagagggt gatagattta ttgcacggcg 240
 aagccatgaa atggatgaat agattcgctc tactctgaa tgagagtcaa gagcttccaa 300
 ggttgtagc cagagccaag gcagtggcta acacatactc gactcccgac aaagtccacg 360
 gtcttctcga ttactgcaa cacatggta aactaatgac catataatta ggattcgctg 420
 aggcgtctgt gtatttatgc tttgactctg 450

<210> 33641
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33641

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 ttgaggtatt atgtcattgt gatacttatg tgcttattac atgttttttg atatatcagt 120
 attgttttat attaaagtta tgtgcattgt gagtgaactt tagttttccg tttgagattc 180

aatacaatga ttaatataga taatttggac agtttacgaa gagtcatttt ttatacataa 240
 ttcatactta taggttaagt atgttggtt aaatttgatg aaatttatgt ttattgcata 300
 tcgctntgtt cttcgggtgc acacttgatc atggtgaatt catctcaccg ctttcatgtc 360
 gtgtacttgg agattaatgc gaaatggctt caaaatttca tcacatntaa caaacatac 420
 ttaacttata cgtatg 436

<210> 33642
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33642

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 cttaaatecg tggtacctct ctttatatct gcagttctag caattgttac attgaatttg 120
 aggcttcccc ttatgtcaac aatctttaga caagtcgttt gtccttttgc atgtagtgca 180
 aggaggaaaa ttgtcccttg atataaatta ggttgaactc ccatcttggt tgccttttcc 240
 ttttgatcac ctctctttt acattgttgc ttattttgat ccttctgaat angttgcttc 300
 cccttggtgc tagcttgaat tgtaccttca attacatcat acagcctcat ggaaaatctt 360
 agttcatgag catgcaactt actcaccatc tcanacatag ttagtttctt aagatcacat 420
 gattcttcaa tagtagaaac tttggc 446

<210> 33643
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33643

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 gtgaaattta cattaaattc atatggaaag cttctattga gaaaatataa aaactaaaca 120
 agaaatattt acaatcctac caaaaagaac cataaattgg gagaaatata tacatttttg 180
 aaaacttttc tatacaaaag ttagtcataa aagacgacta acagtaaggc aatgaaatgg 240
 gaggaggctt gctatatata atttcatagg gagtagcata ngcagaagta tggaagggtg 300

agttgtacca ccatttagct aaagagagct aatgaaccca atgatgaggt ctatctaaac 360
acatacaccg aagataagtc tccaaacgcc tcttaacatc ctaagtctgc ccctctgttt 420
gtgggtgata agagg 435

<210> 33644
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33644

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caacagtcac atgtttttat gtggttcttc gaatgactat caaaggccta tatatatgtg 120
actcgagaca tgaatctgct aacagttctt cagaacacaa acgtcttata ctcttataaa 180
gcacaatcgt cttattgctc ttacaacatt ccttggccaa attacttggtg atccaataac 240
gaatttttta gcgctcaaata tgttcaatct atctctttcc agagagattt cttcttctct 300
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<210> 33645
<211> 522
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33645

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gtgacacgac tgagcggact gtgtcaatct gagcctcacc attacatggc gacatgaaac 180
aataaccttc actatcctga atagatcgcg atatcctcac tgacaaatag accgattaca 240
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ctgagtctct agagcacgat gcggcacgan tgacncatat agagtaggga tacgctacgt 360
cttactgaag cgatcttcat gatacgtata tgtgccata tatctccaca atggattcac 420
gaatgcgac tacttagcta agggtttgat tgctcaccta aggctaccgg actggacagc 480

gatgccaaaca gacggtacat tactggtggt gtctgacgaa cn

522

<210> 33646
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33646

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cttataaate aataatatac ttttgctga agcatatcat caaacgttac atgatggagc 120
tcgtgtctac taatattctt atggagaaat ggaaacttct ggtgacatag aatcatatga 180
ggatctatat taangttata aggctgactt ggacacaaaa tctaaagatg atacacaggc 240
tagtcaccga tctatctttt aatc 264

<210> 33647
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33647

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gagcacgaaa ttgaagaagg aaaaggggga gagaagttga actttgagtt gtgtctcaca 120
agactctcat tcatcaaagt tacaacaagt gttacacatg cttctattta tagactatgt 180
agctctcttg agaagctttc ttgagaaaac ttccttgaga aacttctttg agaaaacgtt 240
cttgagaagc tagagcttat ctacacacac cctcgaata actaagctca ccttcttgag 300
aagcttcctt gagaagattc ctacactagc tagagcttag ctacacacac tcttctaata 360
actaagttca c 371

<210> 33648
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33648

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ctgtcatatt gattgtgaag gaatggatcg accgtatccc ggtagagtg tgatcgtaa 120
 attttaagag aaacgactat tatttattac tgatttttgc atgaatctct gaagtatgaa 180
 tcgaatgcat gaaattgagg atgatgaatg ccatgtttga ttgtgatagc cacttagcca 240
 aaaagttgac cacatgcttg aatgatttat cctttgcacc cagtttgagc tgaatgaatt 300
 attgattgat tgaaccctgt gcctatacaa tgttatctcc tgctaccttg acgtacgttg 360
 taagagagca tcatcacatg aagcg 385

<210> 33649
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 33649

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 gaaagttgaa accttttcac gagctcaagt tggtagtaac tttcttaact cggcggtctc 120
 tttttttcta catcgactct cgttgcgttt tgcaaagatc tgatctgggt cgtggatatt 180
 tcaatgtgaa agttaagggt ctttttgtcg catagtaata attgaaagaa acaaaacaag 240
 gtgggatttt taaaggggggt ggtggagatg gatcgttctg ctatgactgt tgggccagga 300
 atggatatgc cgatcatgca tgacagtgac aggtatgagc tgggccgtga ta 352

<210> 33650
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 33650

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 agatgtttgt accataactc atacattgac aatgtttata tttattttat tttactaatc 120
 acatttacia cagaatgcct tgaattgaaa tttgatatat agaataaaaa cattctttaa 180
 taatagaatt ttaattcaat aaaatgtatt ttggaaatga tatcattaca taagactaaa 240
 attagttaaa atttatttat attttaatct atattgagat cgtttatctt tgctctggaa 300
 ggagtcctat ggaaggaaga tatagaaacg aatttacttt gagattgaag aaatgttgat 360
 tgtgatttga tgctagtaga tattagttca ctgatgtcta gattctattc taagtga 417

agataatgct tcgaaaactc attntggcag cacacagaaa tgtcaaaatc tatgatgaac 120
aaaccagga taatagttaa atttaaaagg gttaaattgg aggggggaaa gactttctgc 180
tagattatca ggaaaaggta gagaaagttc catttacaat tgttcttttc tccatttaat 240
aaatagttta acctcaagaa atattttcag gaattgatgt tgaccacaac agcatggaac 300
agattcaaaa aaggcattca natcatattg aagcaagcca ttatagtaaa taacaaagag 360
aaagaaggct ntanggcaac cagaatatac catatagaaa tgttcccctg tggcatatgt 420
acaaacataa tcccttcagt aattttcaag agctagacg 459

<210> 33654
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33654

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aacagatttg aattaatgtg gtgtgttaaa agtagtgtaa ttcaaatgta attgttcaat 120
tttgtaaga ttgtgaaata cattagaggt tagccatagt agttggttgt taactaacta 180
tggttaagtc ttacttagtg tataaatagc atgtaaaccc ctgcaatacg gtggatgac 240
agtttttcaa gcactaataa aattcccata tattcaaaag ttgttattca ctctttttct 300
cccttgttca atctttttca agataccacc tagaaatctt gatcctttcc aacaagacaa 360
agtcaagact aagccgatgt tattagcaac agtccaaagt tgtggcaatg tagcattggc 420
ttgaggctga tgtanacgta ctattgaact tgactaa 457

<210> 33655
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33655

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agagagcaag aaatgaagag ccaatggttg atacatgggc ggagatgaaa atgatcatga 120
ggaagcggct agttactcaa gggatttgaa atttaagctt caaaaactaa ccaccaagg 180

caacaatggg gttgaggagt atttcaagga aatggatgtg ctcattgattc aagcaaagat 240
tgaagaagat gaggaggtaa ctatggctcg atttcttaaat ggtttgacta atgatatccg 300
tgatattgtt gagctgttgg agtttgttga aatgaatgat ttgcttcaca aagcaatcca 360
agtataacaa caattaanaa gganaggagt ggctaagagg aagttttacca actttgggttc 420
ttctagtgtg aaagac 436

<210> 33656
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33656

tcatgatgaa tcaagattga ttcaaggagt tntgatgtta acaatgatga tgacaaanag 60
ctcanaagtc aagatcactt catgataaca aagatgatga cattcaagaa tgagttcaag 120
attgagtcaa gaacacttca aggatcgaga ggaaatttga tttcaagaat caaaaatcaa 180
gattcaagat tcaagaataa tcaagatcaa gattcaagac tcaaagattc aagaatcaag 240
agaagactta atcaagataa gtattaaaaa gtttttcaaa atattgagta gcacaagaaa 300
ttttcacaaa atcattacca aagagtttta ctttttggta atcgattacc agattatagt 360
aatcgattac cagtggttnt aaaacgttaa gattntcana attcacaatg aagagtcaca 420
tctgttgatg tgtaaccaat tacaccatta tggtaatcga ataccagtga ctgttt 476

<210> 33657
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33657

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atattagttg aggggtgattg tcgatcctta tttgtaggga ttgttggagc tcggagctta 120
tagataaatgt taaagataaa catttgttta tagatgtttt acctttgtag ataatgtgtg 180
agcttataga taatggtaga gataaaaaat tgcttataga taatgtgtgg ggttatagat 240
aattaattat ttatcaataa ataagatatt caaataaatn tgaatattaa catgttagag 300

<210> 33660
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33660

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 gtaaattgtac atcaatataa atataatata ataaaatatt aacaatgttg ttaatggcgg 120
 aaagccaaaa attcactata aaaatatggc ggatgacgta acagaaaatg acggatgtca 180
 tggcgaacaa aaaaaaata catatttata aagtcactga aattgaaaaa aacaatggat 240
 tgcattcaaa taaactaaaa atgtttcatg agttcataca ataatacaatt atcaatacca 300
 aataaactca ttaaagagtt cacaataaga aaatgataaa aaataaaaagg ggtgtcaaat 360
 atcaaaagga aaaaaaagct gcaaacaaaa aaaggggtgt caaacagcan aaacaaaat 419

<210> 33661
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33661

atcttgcatt gcagtagtac ttgtaatagt gactcctcaa gttcaaccct tctgcatgg 60
 ctccaacagt acaaaaatga gaataaagga atcaactata atgatcagggt cttcattatt 120
 attatcacia tcagacacgt tgataagaac atgatggatt tcattcttgt tatattntat 180
 tctgtgttat catgtcatgt ttgcattana attagagaaa ttcaggctac aaaatttaag 240
 gattttgaca ctattactat tactgagaaa ttctctctct ctcttnttgg tttttctcct 300
 ttgtatgtgc tcaaactcat aattcanaaa anaatacacc aaatatntat tattctaaac 360
 gctcttaatc aatatgtctt atntctctat atntctctct ctatcanatc atagantttc 420
 taatatnta attttttctc tttaatt 447

<210> 33662
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33662

tcatcagatg ttgcatttcg gtatcagctc ctcttattta agaacgatat gcacttcttg 60
cattgtaaata tagctttatc gtgggtgcaac tgttggcatt gtgttccttc aacgttagta 120
agatgttttt tggtttcacc atcgactttg tcatatcagc aataattttc ttttcacct 180
tagtcaatcg ctcagcgtat ggatgtccaa ctaaggactt ggccaattca tgattatgaa 240
taccacaaat caacttcacc atccaacctt cncctccatg cactgggttc ccacgaagcc 300
tgaagggaca accacatttc ctactcccag tgtcttttct aatgaattct ttattcctac 360
acttgtacgt accactcctt tcacacncaa ttaagacaaa tgaacttctt cctctgctat 420
cggatatctgt gtcagacctc ataatcattg caacaaatcc attntcatt 469

<210> 33663
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33663

ttctngccat ccagctcgcc caggcgagcc aggttgcttc ctccagaagc aaccgccttc 60
tggaggaaga atctagaagg cccaagtggg tctggttgct atttgacct tttttttttt 120
actaaataca cccctttgct ttttttggtg attctttttc tataacgtta caaagtttta 180
cgaatttcgt aacgatactt gttatctttc cgtaagggtta cagaacctta cgaaacatgt 240
aattactccc tttnttagct ttcgaaatgt tacggaaact cacgaattgc gtaacaatac 300
ttcttttgat ttcagcatgt tacggaattt cacagatggc gtaacaatgt tntcttttga 360
tttcggcat gtctcgaaac ttcatgtatg 390

<210> 33664
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33664

tgctacagat attcttgggc ctgtgttctg tgataagtta cggatgataca cactgacaaa 60

cttgtcattt gtgataagct gcaccagtat gaaacaaatt gattaatcaa ctgattttgc 120
 tttttctgaa ttcaggtatt taattaacca aaggcggtta tggagctaaa gaaacacatt 180
 tagagaaaac ggtttatcaa tcataagggt taactatata tatatatggt cacggacagg 240
 tcaaggagtg tatagaaggg gagagggggc aatattttta cataattata taatatttat 300
 gttntaataa ataataattt taaaaatatt gattattaat tctatgaata acattagaga 360
 tatacttatt actaattctt ttaagcaaatt attatctcaa aaatatattc tttatataga 420
 attttcttta atataatttt ttatatacac ac 452

<210> 33665
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33665

ttcttgttta ccccatgttg agtttgctta caataaagct gttcatagca ctactaattg 60
 ttctcctttt gaagttgttt atgtttttaa ccactaact tctcttgatc tttgcctat 120
 gcctaattgtt tctattttta agcatanaga aggtcaagta aaggcggtct atgtgaagaa 180
 gcttcatgag agagtcaaag atcaaattga caggaaaaat aaaagctatg ctaaacaagc 240
 caacaaaggg agaaagaagg ttgtcttcga acctggagat tngtttggg tgcacatgag 300
 anaagaaagg tttatggaac anagganatc atagcttcaa ccaaggggag aatggaccat 360
 ttaagtgcct gaaagaatca atgacaatgc ttacaaagtt gagctacca gtgagtata 419

<210> 33666
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33666

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 gtgataaacc ccaaggtagt catatctctc ttgatggctc ctagaggat catcccttt 120
 gaagaacata ttgcagtgt agggactact agcaacaata agttttcaaa gagaaaagct 180
 ctagatgagg gttcactgta atcaagcaag tcggagacct agcatgatca cagattcacc 240

tccgctcctt atgttcccat gaacccgggt atagggcact nttccactc acagtgtgtg 300
 caaatagtgt tgggtgttgt gtgcatcana tgaataaata tttacctcat gcatacattn 360
 tanaacgcac tataagcaac aaagagttta tacacacaag cacataagac aaataaaggg 420
 aaaccaacaa aggagaaagt cacgataaaa cattgcacaa gaattaaat 469

<210> 33667
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33667

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 aggagttcga gcagcgggag actagggaga gagaggtcag gcagcaactt gaagaagagt 120
 tgctgatcta caagaatgag gttttggagc agcatgagaa aggctntaaa aaggttgtca 180
 agcaggccgg attcttccaa aaggaccttg acttgcgctt ttttgaccct ttcaattggt 240
 tttggaaggt tattatgact gaatttgatt gtcaatgtn ttcaacaagac ctagtcaatt 300
 acccatgcat ttagatntgt cgtgctcatc tttatacatg ttctanaatc acttaataat 360
 atgggttatta gttntaaaaa taaataatan aacatatgan aaactaaata ttcaaacaat 420
 ataggagaaa tctttgtcga gt 442

<210> 33668
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33668

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 gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaaggagc 120
 gtcaatatgg ccaccgctga tgccttgga cagagaaacca agaaggcca aaaggaagaa 180
 cacgtgccag caaagttttg aggggcttta tagggcagca atagtaagct caagctccga 240
 agagggtgaaa ggaatcatca cgggtcagag gcgatgctt gaaggacgag ctaaaggctt 300
 accttangtc gaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360

ccgtcatcga tgagtgcaaa gagaagctaa atctagcggc gactcacgaa caaaggctag 420
aggatgagta cgccaagata tc 442

<210> 33669
<211> 275
<212> DNA
<213> Glycine max

<400> 33669

gcaataagct ggaccgggat cttgagcgac tgagtttgca gctgattcaa caggggagca 60
ctgcgggcg gcgatcaaaaa agagtgcgga agtcaagccg cccggactcg agaactccgt 120
ctatgatcca ctaacagaca cggcgcttg tccaaccgag cgaacgcttg cttttcactc 180
gatcttcttc ttatctaaac ggatgtgaaa aaccttattt acattcgagt gcgcgctctc 240
gcactctcag gtggaaagtg tcgctcccc acgcg 275

<210> 33670
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33670

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atggccaaaa naatccacgc ctgtggatat ccgcatataa catccgcaat gaatttgaaa 120
cgggtagtgt aaatggatat ccgctacctg cagatacggg tatttcatct acctattagt 180
taatgcggtg ggggaggata tcgtagtccc ttgcaccatg ggtaccact acccgtagaa 240
ttaccaaaat aacctcatat atatataact tcgtacccat tgcccagagg ctcttcgcta 300
tgccaaggta tgggtggagg atattgtacg cagccttacc cttgcatatg canagaggct 360
gtntccggat tcgaacccat taccaaaata acctcatata tatatatata tatatatata 420
tatatatata tatatatata 440

<210> 33671
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33671

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 tcccaataact taatattctt gtcataccca gcaactcaaaa acttggtccc atcattgctg 120
 aaacagatat ccctaacggc tntcgagtgt cccatgtaag tcctcataca cttgccagag 180
 ttgaaaacat cccacatctt aatcttggta tccatgccag cagagagaat caaatggcca 240
 tacttgggga acaacctaat agcagacacc cctttgggtgt gtccactcca agtatgaatc 300
 aatctctcgg gcatataaca atgatcatta ctgcctttg catccttgng aggcgcgatc 360
 caagacctac cttggtaatc cttctcctct ttcccatgaa aaagtgcctt atctttaaca 420
 acctcaactn ttctccctcc anaaccactc ttctc 455

<210> 33672

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33672

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 atgcgggtgt tgaagagacg gcatgggcat ctcttcctt ccttntgcc cctgttgccc 120
 cgattctttt ggcggttcacg tttgtggagg aaacgtaatc aaactttcct ctcttcaatc 180
 caacctcgat tctttcccg gcaaacacca gatccgcana gctggacggc atgtaaccca 240
 ctagcttctc atagtagaac actggcagag tgtctaccat catggtgatc atctctctct 300
 caaccatggg aggagctact tgtgccgcca aatccctcca tcgctgcgca tattctntan 360
 aggtttcacc ctctntctta nacatattct gcaattgagt acggtcagga gccatatcag 420
 aatngactga tactgct 437

<210> 33673

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33673

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aaggtctgag agaccatata agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtacgtgtct 180
gccatcgcct tggccttggc taacaatcgg ggaagttctt gactcccggt caaggtaaga 240
gcaaaccgat ccatccacat ggttgccctt tgggtgtaaag agtcgatcac ctttctctta 300
gcctcttttt ccgcttatac ttgggcatat tcgtccgcaa tcctatgctc gtggggccgcg 360
gctagaccta actcttcttg gtacttggcg atgatagcta gcatattggt ctccgtctcg 420
cataaacgct gagacaagct tcttt 445

<210> 33674
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33674

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cctcaacagt acgttggaaac aatatctcca tgcccttgtg cattccaacc cgtcgagatg 120
gggaaaattc ctcacgttac agaatggtct tataacaccg ctgttcattc tgccacagga 180
ctgtcacctt atcaaacagt ttatggtaaa cctcgtccat ccattcccca ttatttgctt 240
gggtcctcta ctattgaggc tggtgaccaa ttgctttcag agtgacaagc tatgttgcaa 300
gctctccata agaagctttt caaagctcan actgctgtga aggtgcaagc tgacaaaaaa 360
cgcatggaag tgtcctatag tattggtgat tgggtttata ttcgtttttt cccctacat 420
caaacgtcag tttccaggat gacatata 448

<210> 33675
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33675

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ctctttgcct ccttgnccct ntcttatact ctgccaaactc ttttaccctt tctctttcca 120
ctcttctttt tcaaactaac ataacacctt gaacgtgact tccccatttg gaaccaaaaca 180

attagtccaa aatagataga taaatattct tataatcttaa ctactttttc tttctttatt 240
 tttatatcca gcttcttttt tcttttaatt tgatttggtta ctagtctctgt atattgcatc 300
 aagcattatt cttctctttt atctttccgt tttctgaatg ttttgtccat ttctttggat 360
 gctattctat aatgacaatc acggctcctt tttttcttcc ctctctanac taaaatatcg 420
 agtatatgca atccgattct tatgtagaag gtctccacac tttcctatat at 472

<210> 33676
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33676

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 tagaactttg cttgtatctt tctgtcatcc tttacctgc acttcgggaa ctgctgccac 120
 tttcaccctt tggattcttt ccttctcaaa ccacaaagca atttgtccaa tttggatcac 180
 aactcacat acagccgatt agaaagacct tcgcatttca ctatttcttc tcttctcaca 240
 caagatacat angatcttct tcttctgcta ccttcaaaca tacaagaaga acatgccctt 300
 atcgagttac gtgactcact cacacat 327

<210> 33677
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33677

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 cctcatgaca atggaggata tacatggaga ataagatcaa gaacaaggaa ttaaagttaa 120
 ttgaccgaac aaaaagatag aggcagaaaa agaacatcac atagacaaag atgctcttga 180
 taccatatga ttagctcca tgtggagctt gtaggccttg gatcttcttc atcaattgag 240
 tcctttgctt cttgaagatt aatggcagca gaatggagaa ggaagaaaga tgattggaga 300
 tgccacttca aggagaagat gagtcaagaa caagctcacc accatangaa gccatggata 360
 aaagcatgaa ggtaggagaa gatgagtga gagagaatga gagaagaagc acgacatctt 420

gtgcctcaca tgaggtctga actntgaaat gtaattctca catgatcaaa gttggaacaa 480
 tgcacacaca acg 493

<210> 33678
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33678

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 cagcctgtcc cttccttcta gaatgctgct ggtccaagca agccatatgt tcctcctcca 120
 atgcagcaac agcagcaatc acaacaaaga caacaaacac ctgaggcccc ttctcaacct 180
 tccttanang anntagtaag gcaaattgacc atccagaata tgcaattcta gcaagagaca 240
 ataacctcca ttcagagtct gaanaatcac atggggcaga tggctactca nttgaaccaa 300
 gctcactccc caaattntga caaattgcct tcacagacta tgcagaaatc gaaaatgtg 359

<210> 33679
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33679

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 acaanactca agctngcaca gaggagcngc taacaaattt gaaacncnc tcatttttta 120
 cgatttatat tcaacatctt ctcatggctc agttgaataa aattctttat taaaacgact 180
 caatccaatt gctctctata tgatctatct caacatgtaa ttttaccttg aaatatttca 240
 actacatgat taaaatgaat taccagata aaagtgatca tctaaacaca ctcttagtga 300
 ctttatccgg ctctgtact ggaattttacg tgtattcgag acacgaaaaa ttacaacata 360
 cctcaaattgt tgggtcaaaca atatgaaatc gacgagcaca caatcaattc gtgcgccaat 420
 tgttacccaa tcatacagag cagatcaatc aactctataa cgtagagcat cgtacaatac 480
 caagctcacc cgcacaaaat caatcacaat tttttagtgc ataacaatcg tacagtacta 540
 tagtcaagag tacatgcctg aactcg 566

<210> 33680
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33680

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 ttttttaagg aaaacacccat aactaaacgc gccgcaaggg atccctatcg caccagatcc 120
 aaatctagaa cgatgggtga tcaaaaggag acgcangaac agatgaaagc cgacatgtcg 180
 gctctgaaag aacaaatggc ctccatgatg gaggccatgt tangtatgaa acagctcatg 240
 gagaagaacg cgccactgc cgccgctgtc agttcggtg ccgaagcaga cccgactctc 300
 ttggcaacta cgcaccatcc ttctcanac atagtaggac ggggaaggga cacactgnng 360
 cacgatggca gccctcacct gngatacaac cgagcggtt acccttatgg attgccgcca 420
 actattccca cccatc 436

<210> 33681
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33681

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 tacaccaaag cttccaaaca tggaagcaac catgagaggt gtcctctctt cataacctat 120
 nttcttcgag gcaacacacc ttccatacca aaacctacc ccatcaatat catgaccctc 180
 cttttcaacc gcatctgtga aactaaccag atcatctgct gcaaaaaact caagcaaagc 240
 tgaaattata tgatgcatcc cttcttttgc atactcctcc atgaccaaac caaattgaga 300
 atgtctccct tggaacaccg acatggagaa ataaatattc cttaaaactc ggcagatctg 360
 acaatcac 368

<210> 33682
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33682

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gagatgcagc ggaagataat agagagaagg tgaggggaga cgccatccac tagggaataa 120
gccatggaag aatgagcttc acctccaaga gagtgccttg gataagaagc ttagagagga 180
agcttcagtg gaggaaaaaa aagagagaga gaaaganaaa gggggtgagc atgaaattga 240
aggaggaaaa gagggagaga agttggactt tgtagtgtgt ctcacaagac tctcattcat 300
caaagttaca acaagtgtta cacatgcttc tatttatagc ctangtagcc tccttaagaa 360
aacttcttga gaagcttcct ttagaagcta gagcttagct acacacaccc ctttaataac 420
taagctcatt tccttgagaa gatntctgga gaggctagag cttagctaca caca 474

<210> 33683
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33683

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tatatcactt ataggtacaa tgccaacaaa tcaatggaca attgtgcctt ttgcaatgct 120
gatggtgact tcttgatagt tccccacaaa ggaagtaagt cactacaaca atttccttga 180
tggttcaatg ttaactaaga cagtttgtgt tgggtttaat ttcattatac ttgtgtgcat 240
atagatctct ctgcacctag ataatatgct tgttgatctg tgccaatgaa cttggctgga 300
cttgaatata aaagaaattht cttaattgaa ggatgcaatg catatgaatg acacatattht 360
ttctttttc 368

<210> 33684
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33684

aagttaagat nattanagga attaaagana aacaanagat aggaagtgag ttatttnatt 60
nntaantaat gaagagaata aagataacat gtaggtataa atatnatata aagaaaatac 120

aacttatttta agcatgactt acgttatttc accactttgt cgcataacat tacctcgcaa 180
 caccacacat ttcattttatt ttcacaacat tcacgtactc aaggatctaa acacaatatc 240
 atcaagtcaa tcaatatcga tcaatacaca agcggttatgc aacatatata ctaaaaactta 300
 atcctatatg caagt 315

<210> 33685
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33685

tgctgcanac atctacaaca gacctcctca acctcatcaa caaaatcagc cacaacataa 60
 taattatgac ctctccagca acaggtacaa tcccggatgg aggaatcatc ccaaccttag 120
 atggtcgaat ccttcacaac agcagcaaca acaacaacct tattttcaaa atgctgctgg 180
 cccaagaaca ccatacgttc ctccaccaat ccagcaacaa caaaaacagc aacagcccca 240
 gaaacaaaaa acaattgagg cccctccgca accttccctt gaagatcttg tgaggcaa 300
 gactatgcaa aacatgcagt ttccacaaga gaccagagcc tncattcaga gcttaactaa 360
 tcagatggga cagttggcta cacagttaaa tcaacaacag tcctagaatt ctgatagaat 420
 accttctcaa tctgtccaaa atcacanaaa tgtgagtgcg aatacattg 469

<210> 33686
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33686

agtctacaca gtttgagtcg cacacttatt ctaagcactt tcttttctat ctttgtcctt 60
 caaaagtgag aacacgaggt gggtattcat agagaaaatg gttataacct cttataatcg 120
 attaaatatc caatgtgatc aattatttta aagaagtaat caattatatt atcatttcaa 180
 tcgattaaag tattcttccc aacatctgaa aaactttcaa aaacantgta atcgatttga 240
 ttattgatgt aattgattaa agtgttcttg ataacttctg ggaacacctt taagaatgaa 300
 gtaatcgatt acgatcatct ggtaatcgat taaagtagag actcgtgaca tatcagacat 360

ggtctcaact aaactatata attgattaaa ccgaaactag aatntctctg caagctacac 420
atactcgtgt aatcgattac gataagcctt gtaatcgatt c 461

<210> 33687
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33687

attatcttcg agactcgtat tgtgagtcag atcaaattt tgatgggtta ctgaattcat 60
attattccgg aatgaggaat gagattcaac actcacatca acatcatttg cgacaggaga 120
atccggaaca gtgtactctg taagctcctc accagagact gaggttgata aatactcaan 180
cgctgtctta tcangaatgc tggactcttc aattttctca agaggctggg cttcatgagt 240
agctgtattc gatgggatcc aggatacacc agtagatggt cttgaatgag aatggctctc 300
aacagcttcc acaaaaactta cagagaaccc aacctgacat gtttctgatg ctncatgatc 360
attgctgaca tatgtggctg cgaatcatat gccaatatac caacttg 407

<210> 33688
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33688

gcttgccatg ttaaaggaga aagcatcaca tccttttaag gctganntta ttcagttctt 60
tctcttcatt tatgtgctta agcaacggaa gctgaaccaa tatacctgcg gatattaaca 120
aaccaagcct cacaataaaa aaaaaggccc aaaacaaaaa agtgtaatcg atattaataa 180
taacacatgc atgaattgaa aaagcatgtg ttcaggcatg taaagtaatt gaggcacaaa 240
aatgtgaagt taattgataa gtatgatgaa aatcgaaaag agtgtaataa gtgacgaacc 300
atgtacatca nggttaacat tcaactcgtg aacttgtttt attagttcag cttgcgagac 360
ttgttcggga aggtccacat cgaaggattt gattcccaat tcggcgcatg cctttctctt 420
cattcccacg tagctntgtg aatcctttct gttccctact atcacaactg ctagtccc 478

<210> 33689
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33689

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 agcgtaaggc ttaactatca agagcagaag caaaacgacg aatgaatgct taaccatcca 120
 tgacgaaagc ttcaacactg ctgaatcatc atggacagaa ccttacataa aaagctgctg 180
 agccaacaac accatacgtt catccagact tttcacaac actttgtgaa ccaataataa 240
 ccaacgctta accactcatg acaaaagcta aaatcatcaa aacatagcta agaggctgat 300
 gacaataacc tacaacagga caaatatcaa taccacaatg 340

<210> 33690
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33690

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 ngagtttatg aaaaatgaca aggcaccata gcatttatgt aatgttgagt tatagttggg 120
 aggtttcttt cagtactatt attaatctg taaatcagtg atttgcctt tctttccttc 180
 cattccaata ttgcattctc gaccactatg atttctcat agtttcttat tttcngttgt 240
 ttatccaaac aataggggtg gtcacaggtc ggattggatc agatccgtgg cattntccga 300
 tctgattcga tcaggttcaa tttggaatgg aatttgtcta gttaaagtat gcaatccgaa 360
 ttgcagtggc aaagcttccg acaaatanaa ttgactaatg tggaatatta tnggtcactt 420
 attcgcattt ttaagtaaag att 443

<210> 33691
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33691

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 ggaatcttct ggaggggtca agtgggcttg gttgctattt gcaccncat ttttactaag 120
 tacacccctt gccttttttt ggtgattctt ttttcgtaaa gttacggaaa cttacgaatt 180
 tcgtaacgat acttgttttt tttccgtaat gttacggagc cttgcggatt acataatcat 240
 cccctttttt gacttacgga atgttacgga acctcactaa ttgtgcaacg atgctcccat 300
 ttgatttccg gtgtgtcacg gaactttacg gatngtgcac caatattttt ttttgttttt 360
 cagcatgtcc cggaatntca caaattgcct aatgatgagt gccaaagcacc tcacaaggac 420
 canacaaaag ttgcatgtca t 441

<210> 33692
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 33692

gatagcttct gccgatggaa cagctaccgg agagacgtct tactgaccct cgtttaccaa 60
 tgtaagttct attgcgaaga aaaacttggg tgaggcaata ttgttcaata tgactatata 120
 aaggccacac atgaaagtaa attatgttct ttgatctatt gagatttggg tcatacaaca 180
 gggaaaccca tatccttgcc attaatccat ccttgcttca gaattgaacc tggaatctcc 240
 aagttggggg gcctgatcct tactcattga agtgtctgat tgggtttgga tattttgcgt 300
 tgggtgaacaa atcttcaaga acaaattct 328

<210> 33693
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33693

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 ccttactttg tcttacatgg cacacaccct aactattcat cgctatgtat ctttggttct 120
 aaatgttttc cttacacttg ggatgcacga cataacaaat tcgaccctaa aacccttcc 180
 tgtgtgtttg ttggatatag tgatatacat aaaggatata aatactttca tccttctagt 240
 aagaaatttt ttatctcatg acatgttgtt tttgacgagt cattctttca atataaaact 300

aattgtcatt atacaatttc ctctcctaca cagcatgtag ttagcataat tgattcttgg 360
 ctacctcata ctaactccag ttcttgtgca gacctaacaa caataacaac agctnntgct 420
 tccgttcacc atgctcaaatt cttaaataaa tctcttggct 459

<210> 33694
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33694

tagatgaatt atattatttc aaggctgatt taagctttct tgagaagctt ctatgaaggg 60
 tggatctttg agctttaata aggttcttca atgggtgattt tcagccatgg agttgcagcg 120
 gaagataaag gaaaagaggt gagaggatgc gtcattccact agagaataag tcatggaagg 180
 agaagcttca ccaccaagag agtgccttgg ataagaagct tagagaggaa gcttcaatgg 240
 aggaagagaa tgagaganag aggcattgaa attaaaggag aatagggaga gaagttgaac 300
 tttgaagtgt gtctcagaag tttctcaatc atcaaagttg tgacaagtgt tacacatatt 360
 tntatttata gcctangtga ctaacttgtg aatntcattn tcatttcatg tgaatntaaa 420
 agaaatattc caagaat 437

<210> 33695
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33695

tgatttatga attgatttta gccttagttt tactntgttt attagtcaat tcgattaaga 60
 aagaaaatcc caaagaaaaa acgtccgatt gattttttta tattatttta ttcaaagata 120
 ttttttgatt attatattat tattttgcct ctttttggtt ttaaactgtg ctacgccatg 180
 atagatcggg cggtatattat tctaacagag attaaaagat gttacaactc aaatgatcgg 240
 tggaaattta ttttattttt gattaggcga gaaaataaca taaataaatg actaaagcac 300
 gtcaaaaggg ggtacggaaa gtaaataaaa taaaaataaa agcatgtgaa acaagtgggg 360
 accactaagg gcacatagaa tgaatt 386

<223> unsure at all n locations
 <400> 33698

gcttattact ntcattgntt attatgaatc ttctgcagat tctttatgtn caagaaagaa 60
 actaattgtg ctcaattatc ctcaattgat ttacaatttc attgaactgt cattntctct 120
 tgttgtgttc ttatataccc taatcttttt ttcttttttt tttaaatagt ctttggaag 180
 atgcacgct tttacctggc ttccagcttg tttaaagacc aatcagaagt tttgttctat 240
 actctatagt gctaaaaaaa tggagtattt tgcatttgga attttggaatt gtttctctga 300
 aatatcaaac cctgtaaata cagtttactg gtttgctcta ggtgaataga agtgtgcaag 360
 tgcaagaaca attgngtagg aaaagtcttt ttctttctag ataacatana atgggagact 420
 gtattatttc ggatcagata ttcatntttt agttaatgct ctg 463

<210> 33699
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33699

tttgaaagca tgtaatcgat acacatgtct tgtaatcgat ttccagtgtt ttggaatggt 60
 ttacaacaac cataaaaaat ttgaatttaa atttcaaagt tatgtaatcg attactagt 120
 tttaaataatt caaatttcaa atgcgaagag tcataactct tcagaagtaa ctatgtaatc 180
 gattacacca ttatggtaat cgattactag taaggatttt cgaaaataat tcccaatagt 240
 cacatctttt catttaaaatt ttgaatggcc atcaaaggca tatatatatg tgacttgngc 300
 acgaaattnt cttagtnta cttgctcaaa aagtcttatc ctctcaaaag attcaaagt 360
 tcttatcatc taaaattcct tggccaaaac atttgtgatt caataaggaa ttatttgagt 420
 gcttcattgt acaatctatc tctntcaaga gagatntctt cttctcttct tctta 475

<210> 33700
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33700

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 aaggtctgag ataccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggtgga gtaagtgtct 180
 gccatcgctt tggccttggc taacaagcgg agaagttctt gactcccgtt caaggtaaga 240
 gcaaaccggt ccatccacat cgntgcctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt cgcataatac ttgagcatac tcatccgcga ttctatgctc gtgggccgtc 360
 gctagacctt actcttcttg gtacttggcg atgatagcta gcatgttggt ctccgtctcg 420
 cataaacgct gagacaagct tcttttggac cttgaac 457

<210> 33701
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33701

tcacattctg cagaagaccc atgatatcgt caaacatttt ccccggtgga gactcagccg 60
 acccttccaa tttctcaggg gattcgactg tttcagaagc acagcttgat aacttatcca 120
 cttcctcaga attttctgct gtcctaaaac cagccactgc agcacaattt gcattaacat 180
 atggcatcaa ctatntaatt tctaattaag agatataaca acaaanaaat cccatgctat 240
 ggtcatgtga aaattcaaca tgataagatt cactatcaaa gtaatgggac taacatttaa 300
 aataaggaca ataactagat ccaactcctt aagtgcctnt aatgttgttc tccaattgga 360
 attgaattct acctcagtag cttatgctaa cctttaatgt anacctttac tacatggatt 420
 actgggtg 428

<210> 33702
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33702

tgtctcagcg ggtatgtgag acttatacca acatgtttgc catcattaga aagtaccaag 60
 aagaattaaa tctagccacg gccacgagc acaaagtggc ggacaaatat gcccgagtgt 120

acgcggaaaa ggaggctaga ggaaggggtga ttgactcggtt acatcaagag gcaacgatgt 180
 ggggtggaccg attngctctt actttgaaca ggagtcaaga acttcccca ttgctggcca 240
 aggtcaaagc gatggcggac gcctactcca ccncgagga gatccacaga ctctcagct 300
 attgtcagca tatgatagac ttaatggccc atataattag gaaccgctag gaagtttgta 360
 ggtcactcag atcttgact 379

<210> 33703
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33703

actaagcttg agaaattana cacaattact ttaccggatt ctgattgatc atgaaatttc 60
 gagacgctcg aattgaattc gaagcttgag caattcaacg aaataacttt ttactggatg 120
 tttattgaat ccaaatatat cgacagctcg aatagaatct gatgcttgag caattaaacg 180
 acataacttt tactcggatg ttgattggtc ctgaatatat ccacacgctc aaatgaatac 240
 cgaactctga caaattcaaa gacatacttt actcgatgct gatgagtctg aataatgaga 300
 cgctcaattg atccaagctt gacaatcaac acatacttta ctcgatgtga tgatccgata 360
 tatcacacct caatgatccg 380

<210> 33704
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33704

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 aaaacataaa aagttagcta gattaataag acaaattgaa agcccgacta gcttttgata 120
 tttttgtttt tattattgaa aaaaagatta ctgaaaaata actctaaact cttgatcatt 180
 tgtgtcaaac caaagtggca gcttaattag tttctttgtc caactcgacg tacgtttatc 240
 taaaagaagc agcaacaagg gtgttctaataa aaattcctat ataggttgga gaacgagatg 300
 aatcatgcat gatatggatt tggtacttac gcaagaagac atagtgtggt tccagaaatc 360

tagaactaaa tggattcaag atggagaccg taccaagtat taccatctc

409

<210> 33705

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33705

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tccttngaa aggcattctt aaattcctgc aataagggtt gaacactatg agaaacataa 120

atggttaact gagtagaatt atcactctct ctctcttgtg tatcactctt ttctctgggt 180

gtatcactct tctttttcat attcctttgt ggcgcctcac tattttcttt ctcttgttct 240

ctcttttctc tcattctgat ttggtcatca cacacttctc taggggatag aggtttaaga 300

gtaaacgagg aagatttggc tattcgtctg tagggctctt ctttgttacg gctcaacaaa 360

cgttgcattt gtgtagtcca cgcgtccaaa aataagcgt gagattcgtc cagtngatga 420

tatacaccac catttgca 438

<210> 33706

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33706

gaactataaa actcaactta ccataatttt ctatgcggga tgttcttttc atccaagtat 60

tcttatgaaa agcctctcta tgctntgaac cctcagtagc acttactact taactcacac 120

aactacantt tgtgggtaca cacaacctta agaagcaaca atctcctaac tagtctcctg 180

aggttcccta tcctaaatgg attctatnta agggcaggta cctaatacat ctcacaggaa 240

aaacccatca ataagcctcc ctccccaaa agatgtttat agactcatta aggctagata 300

gaattttctc tanagttcta gagagtccga gctaaggaaa ttagtataaan aaactaatga 360

tatatattta caattgttga gaaaagtccc ttangaata aatgttctaa tgatgacaaa 420

caccatgaag cnaacaaaa tactaactta gttactaatg 460

<210> 33707

<211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33707

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 gtgaaaatga gaatgggtaa atttgagca aactctcact tcaaacaagt ctatatcatc 120
 aatctaaact tgctcaaaact ggtttttacgc ctaaaattcc accgaatcaa aatttgactc 180
 ctcaacaccc aatttttacc ctagacatgg ttcttgccctt cactttgggc atttgtttc 240
 ctctcttgca cagcccaagc tttctcataa gtccctaaatg acatttcaaa ctaagattaa 300
 ctcactntaa tctccattta ccaactgaatc cagatttggc cttccaaacc ctcanagcat 360
 cacactnttc cactcacagg actacattct cactttctaa ccctangtta actctaccct 420
 tcatccctag tagttntcca tcagcaattt cagtacataa acatcacaag catcatcat 479

<210> 33708
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33708

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 tctgagagac catacaagtt ttctagcgat ttctaattat gtgggccatt aagtctatca 120
 tatgctgaca atagccgaga agcccatgaa tttcttcgag ggcggagtag gtgtccgcca 180
 ttgccttggc cttggctaac aatcggngaa gttcttgact cccgttcaag gtaagagcaa 240
 accgatccat ccacatgggt gcctcttggg gtaaagagtc gatcacccct cctctagcct 300
 ctttttccgc gtatatttgg gcatactcgt ccgcgaccct atgctcgtgg gccgtggcta 360
 gacctaaact ttcttgggtac ttggcgatga tagctagcat gttggtcttc gtctcgc 417

<210> 33709
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33709

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gatcatcata gaaggtagga gcaaagtgtg actccaaagc ttgcaacagg gaggaacaca 120
aggtgattaa gccattgtga aacatccatt gaaaccaact aagagcaggt ccatccatgt 180
aaaatgaggc catggtgatg cgctcctcgt cgaggggtgtt atggtagtaa aaaaattggg 240
agatcttgaa gatccatccc atgggtgtcgt ggctgctaaa acaaggggaac cttgagcttg 300
atatgtgggc gtggatgggt atgagatggt gatgggtgtan gagaaggggt gggctgagtt 360
ggagctggtg tagttgttcc tgaatggaat caagacgaat gtgaggtcat ggtgggcgtc 420
aatgaaggtg gattgattct gtgtgaggag gaggatagct tcttctaatac gatct 475

<210> 33710
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33710

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gtaaaaaat tatttttggg aatataattg tcagttgatt tttgtggggg attctattgc 120
gataaaactt gtttcccttt tggattaata actatcttgg tttgcttggc catttgaatc 180
tgcttttgaa gttctgtttc agaatcgtca tcagattctg aggcaatttt tgcccaagtc 240
tttntggcta agatggnggt tttggtcagg cccatttcta ggagagctta tagtgtttct 300
actgaccaag catagtcggc cgatgtttgt ttggcgngt ccagtttgng ggtttctga 360
gtggatgact cangtttgac tgagatta 388

<210> 33711
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33711

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agtttagcta cacacacca tctaaaaact aagctcacct cttgagaag ctagagctta 120
gctacacacc cctataatag ctaagctcac cccatgacaa aaaaaacatg aaaatacgaa 180

aaaaatccta ctacaaagac tactcagaat gccctgaaat acaaggctaa acccctatac 240
 tactagaatg gccaaaatac aaggcccaga agaagaanac aacctattct actattttacg 300
 aagaagagtg gacccaacct tggcccatgg gctcaaaaat ctaccctaag gttcatgaga 360
 accctaaggc cttctttatc aactctagcc caatgctctt ggagcctctt gctcat 416

<210> 33712
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33712

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 ctggagatat gtcgcgngg tcaggagacc ttgngaacgt caggtggggg gctattgccc 120
 aaaaccaagc ttgaccaatc ccgacccaac ccgggcatag tcagtcagtc agaacctgtg 180
 atgtacctaa acaggcgagc tcctngcagc caacagataa aaggaacaaa gaccacaaag 240
 caaggaggct tgtgtggtgg ctggccagct gtgaaacttg attgatatat gggatgtggc 300
 ctctggtaat cgattaccan aggtgggtaa tcgattacaa ggcttataaa tgaagacagg 360
 aggctaagat ggtctctggt aatcaattac cacgngtgt aatcgatac 409

<210> 33713
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33713

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 agttgcgtgc tgccccctct ctctttctct ccctctgtct ttacctccat tgaagcatcc 120
 tctccaagct tctatacaag gcttatcttg gtggagaaac tccttcttgc atggcttatt 180
 ccctaccgga tggcgctcc tctcacctct tctactttgt catccgctgc atctacatgg 240
 tgcgaaatca ccattanagg acctcattga tgctgagaga tgcagccttc atagaagtcc 300
 acaagccagc ttccatcaag tgatatcaga gcacatga 338

<210> 33714
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33714

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 tcactttggg taattaacat gaaaaatgta tcgatatggg caaagtgaaa aattacattn 120
 ttaaagatgc gtttttcact ttaaaacgat tgaacccttt ctttctttct ttcttttttg 180
 ttaaagatga cagattcaac ggccgaaaca atagacataa actttaaaac aattatataa 240
 ttatgattgt tttggatata tcaagctcaa acaatntgta gtggcctttc ttttatagaa 300
 gaacccttca aaagagaaac aaaggatcta catatgtcaa a 341

<210> 33715
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33715

tctatagaag gttcattcct aatttctcta caattgcttc acctcttaat gagctggtga 60
 agaagaatgt ggcatttacc ttgggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttccttgagt ttctaaaact tttgaactag 180
 aatgtgatgc ctctggagtt ggagttggag ttgtattgta acaagggtgga caccctatta 240
 cttatttttag tgaaaaactt catggtgccca cctcaacca cccacatat gataaaatgc 300
 tttatgcctt aataagagcc atccaaactt gggaacatta cctttgttcc aaggaattnt 360
 gtattcatag tgatcatcaa tcaacttaagt a 391

<210> 33716
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33716

gggaaatcaa gataatgttg atattaatta atcacgcttt attatgtaac attattttat 60

atcctgngtt aggggtcagt ggatc

325

<210> 33719

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33719

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attgaaggaa gaaaaaggga gagaagttga actttgagtt gtgtctcaca agactcccat 120
tcatcaaagt tacaacaagt gttacacatg cttctattta tagactacgt agcttccttg 180
agaagctttc ttgagaaaac tttcttgaga agcttccttg agaaaacttc cttgagaagc 240
tagagcttag ctacacacac ccctctcata actaagctca cctccttgag aagcttcctt 300
aagaagattc ctaacgaagc tagagcttag ctacacatac ctctctaata gctaagctca 360
cctccttgag atgagaagct agagcttagc tacacaccn ctataatagc taagcttacc 420
cccatgacaa anaacatgan aatacaaaaa anagtcctta ctaganagac tactc 475

<210> 33720

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33720

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atgaagattc ctaaagtagc ttgagcttag ctacacatac ctctctaata gctaagctca 120
cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc taagctcacc 180
cccatgacaa anaacatgaa aatacaaaaa aaagtcctta ctacaaagac tacttaaaat 240
gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac aaggcccana 300
cgaaggaaat acctattcta atatttacia agataagcgg gctcactatt agcccatagg 360
ctcgaaatct accctaaggc tcatgagaac cctaggacct tcccttgat ctctagccca 420
atctacttgg agtcttctac ccaatgcctt tgcggagtag gattgcatca ctctctttcg 480
tagcttctat g 491

<210> 33721
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33721

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 gatattcttaa gaaggcgggg gttgaattaa gatattcgaa actatgtctt ctaattaaaa 120
 atctatctta ctttctactt aagttatgaa ttcccttaga gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaactcag ttgtatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaagca acccgcttga gagttccact aacttgtaaa ttctttttac aagttctaaa 360
 cacacaaggg acaacccttc tttgtgttag agatttctac aacaagagac tcacagtctc 420
 ttaatccctt agagaatgag aagaagaaga ggaacaaatc tctcttgaaa gagatg 476

<210> 33722
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33722

tgaccaattc anatgaacga ggaactcctt caatactgtt aaaaggaaat tcttgatttg 60
 cttgataaag gtttaatccg gaaaagcaaa agcccggtgt cctgtgcggc tttttatgtc 120
 aacaaacatt ctgagcttga gcgtggaaca ccccgtttag tcataaatta caaaccactg 180
 aaccaagcat tacaatgaat tatgtaccct attccaagca aaaaggatgt acttaacaga 240
 ttaaattctg caaagatatt ttctaaattt gacatgaaat ctggattttg gcaatccaaa 300
 tccaagagtc agataggtag aaaacagtgt ttattgtact tttcgggcaa tacgaatgga 360
 atgtgatgcc attcggacta aagaatgccc cttcagagtt tcanacaatt atgaatgata 420
 tttntaatcc ctattcaciaa tttgtcattg tctacataga tgatgtgtta atcttttccc 480
 acaacattga 490

<210> 33723

<211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33723

cggcggctgg catggccatt atcaccgcac gtaaagtgt tgatttggct tctttcacgt 60
 taaaattatg gattgataat ccgtaagttg tatacaattt acgaattgat aatccgtacc 120
 ttgtatataa cttaccaatt gatcatccgt atgaacctta cngattctca atctataagt 180
 cccttttaat ttgttttaat attctcttat tgacaatcca tatgacttat atagattgct 240
 gatcca 246

<210> 33724
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33724

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 tatcgagacg ctcgaaattg aatgttgatg ctctgagcaa attcaaacga caataaatct 120
 ttactcggat gtctgattca gtcccgtcac atatctagat gctcgaaatt gaatgttgat 180
 gctctgagaa aattcaaacg acaatatctt ttactcgca tgtctgattc agtcccatca 240
 catatcgaga tgctcgaaat tgaatgttga agctctcagc caattcaaac gacaataact 300
 ttctaatecg atgtctgatt gagttccgta atatatcaag acgctcgaaa ttgaatgttg 360
 atgctctgag canattcaaa cgacaataac atcttactcg gatgattgat tgagtcccg 420
 attatatcga gacgctcgac natgaatggt gatgctctga 460

<210> 33725
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33725

cttcagctcc tctgacattc atttgangaa ggagcnnctt cattaccttc atccttggct 60
 tgtctacctc tatccactta ctaaaaattt atgccccagc actattcctt ccttgcccat 120

gaaatgacat tttctcccat tgagaactaa aatagactct tcacatcttt ataatactct 180
 ttcaagattt gatacgact catcaaaaga tggcccaaca acagaaaaat cattcataaa 240
 cacttcaatg cctttttcca ccatatcaga gaaaatngac atcatacacc tctganatgt 300
 agatagggca tgcacagac cannaggcat gcgcccataat gccagtacac ccaaanggca 360
 cgtganagta gtctttctct gatctttgcg atctacaaca ttctgattat agcccagata 420
 cccatccata naacaatant aagaattcct ttgcgagtct ttcangcatc tgggccag 478

<210> 33726
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33726

tgatcaaccc actntgttat gacatcgatg cagggtttcc agtcatgttt gaggttggtt 60
 acattggcat ggagagcctc ttgaacatct tttctattaa gatatgcgta cacataattc 120
 tcactacatg gatcagtcac aatctgcaaa acaaataaac atggcttcaa ttctagttaa 180
 gttcatgctt catgcaatgt tgagttttct aaaatctatt aggccagcca aatatttgaa 240
 gcttactgtg ttcttttgg gcagggctgt gagatttgca ttcttgcata gtggagcata 300
 aatattgtat aaatcaatgt attcaatatc ctccccaagt tcatctccgg ctgcatcgca 360
 cacactntcc tgaatctttg atgatgatga atcacaagct ntgttgagat aagctgctnt 420
 gtctgagatg attgcatggc tggcaagata atcatacagt ccgtccgagt ca 472

<210> 33727
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33727

tggactgtgc tagatagata aacaaagatg tgaattttta tgaattgatt tgggcaagat 60
 tggatgagag gaagtgtgat tttcgaaatc tgcactttgt gcagattttt gctgtgaaat 120
 tgtgcagcag gatcttgcac aagtgcagaa aaatgctatg tatttgctgg ttgtggaaag 180
 agtaatgtag aatgagttct ggatgtttgc tagtagatcc caacggtcaa aatgtangct 240

tatgtactat agacttctag taaaatgttt gagttgatcc aacggttaac gaattggatc 300
gaaggaattg ttactggggt ctataagtga gaaaagctgt gattntgggt ggtgtgttga 360
gcagagtttt ctgcctttgc cctgttntgc ttggctgtga tagctngtgc tgtttgaatg 420
ttgctnttct tggat 435

<210> 33728
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33728

tangggcagg tactatcagg ttctangccc atgatcattc tatcaccacc cccgcgttcg 60
gctaaagata ttaaagaagc tctcctagga ggcagcctag tatctctaac tttgctcttt 120
aatttcctgt ttcatacttg ttctttttct tgaactatat cctgaattcg cctaagttta 180
tatgcaatta taggatttta agagaaaaaa tataacaatg aataacacaa ttttgtaaag 240
gattttcttc accaaaaaaa taataattac ctgcgttggg cgagtggcca gctcgcctan 300
gcgagcatgg ctatggtgaa aaacataaaa aggggagggg tgaagccatt ntcaccctat 360
tcttgcccaa aatcaaaacc tccncaaga gcttacggga gccaccattg gcagcagccc 420
ccaagcttcc tttgtgcact ttttggttca tttttcaca ttcc 464

<210> 33729
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33729

gattaaatct gtatgtataa cgaattctta ttaatggatt tcaattntag gtaaggctca 60
taagggtacc atgacaaata atctgaatgt tgcaatcaag catataatca atgatgatgg 120
aaatgtggac acttttgtca gacaaattac aagcttatct catggcagac accctaatat 180
cagcagttgc aaacaatcac agtttacttg gtgccaactt anagtggaat taaacaagga 240
atatacttaa agtgcataaa aagttaaata atgctcaaaa taggcaatcc tagcttaaat 300
cttacccttt ccttgatgtc acccanagtc ggcaagtaca acttataaaa ttctctctca 360

aatgcaacca caaacctaaa taaagtttag aaaccagcaa gaataagaca attaanatat 420
gtgaattgta taaatntaag ggacaacaag atacatctac tatattatna gtatttca 478

<210> 33730
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33730

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gtatgtatac atgattntga tgatgtcaaa agaagaatca aacaaggctc attntgcttc 120
aagattaata caagattggt tcaacaaaca aagccttgat tcaagatttc ttcaagatca 180
agccttgctc cacaatgaaa ggtttcaagt cattcaaggc acatgtaatc gattaccaat 240
acatgtaatc gattaccaat ggtttgaaag tgtgtaatcg attacacatc atatgtaatc 300
gattaccaga gactctgaac attgngaatt caaatntaa atgaagggtc acaactgttc 360
aagaaaaaca attgtgtaat cgattacact aattctgtaa tcgattacca gagaggattn 420
tcaaggaata tcgtcaacag tcacatctta tcat 454

<210> 33731
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33731

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attgcatctc tcaactcagta ttacgatcag ccgctaaggt gcttcacgtt tggggacttt 120
cttctagtac caactgtgga agagtttgaa gagatcttgg gatgtccgct aggaggaaga 180
aagccatatac ttttttctgg gttctatcca tccatggtga gaatagccaa ggtagtcaaa 240
atctcggcgc aagaattgga ccgagtaaaa caaaatagaa atgggggtggc cggaataccg 300
aggaagcact tggaggagaa agcgaaggct ntggcggatc aaggatgaatg agctntgttc 360
attgacgtct tggagctatt ggtatttgga gtagtccttt ntccaaatat ggatggattg 420
gtggatntag cagcgatcaa cgtcttcctt gcttatcacc at 462

<210> 33732
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33732

tgcannaatg atagtctcta ccaaagtctc tntccatggt atatctaaca ttttcagttg 60
 aatagaaata tgggtgctaac tntaagtggc ctanattagt aaaaggacat gctcccactc 120
 tgaatgatac ttcctcataa aaaacaaacc attcattttg agggaagaaa aggagaacaa 180
 aataagaaaa agaaatggac agagaaagac actcaggcta aggatggtac taactaagcc 240
 tggggttaaa cagcttgtct ccatgtcaat aactaaacaa ctgtagagga tgtcccattt 300
 atctaattca tctttgaata gaaatggcat tccttgacct tctagacatc ttcatgagct 360
 tgactagaaa tctccggttg attatccaag ggcatgtatt gngccataat tgcccttacc 420
 tcagagtcca tatatctctg cagaaaaata tttctcatgt aat 463

<210> 33733
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33733

tattgatctg actatgtttc taattattat aaattgattt atttccagcc tattaattca 60
 atccttacta tcttaggcaa ggaaattatg gactgaagag agggaactag gactactgga 120
 tgagttgtta ggaaaacaat gctcagtatt tgaagtcaca ccatgcatac aagtcagcct 180
 attatgtgtg caacanagac caaaagatag gccagacatg tcattagtgg ttttattggt 240
 gaatggtgaa aaattattgc caaaacaaaa gactcctggt ttttactctg aaacagatgt 300
 tacttctgaa gcaaaatctt catcggtaaa tcacatgcta tgctcagtaa atgaacttta 360
 cattacaatt ttagatgcaa aanaggaaac agaggcaaga aaatgccaaag gggtcacctt 420
 caaatgtggg atatatcaat tatgttgagca ttcataacta gtaaaagtgt tactatgang 480
 ctcta 485

<210> 33734
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33734

tgaggaatct tanggaacta ttatagacac tactatcttct gtcgaattgc acacatgagt 60
tggttttacag gtaagggatg aattcattgc aattgggggt taggatgaac atgaataggg 120
atccttatag gattaaattg agatttattt taggatgttt attgaattat aattttcttt 180
tacaattata aatacaatat tttttgttt gacggaccaa ttgatgtcct gatgcgaatc 240
ggttcataaa attgaatgtt cttgttgttt catatctttg acctatgatt ntgattcatt 300
tattttaata tgatagttag aaattatttg aggggtttta ctctccatgt tgtgaanaac 360
gttnttgtat aactttntat attaagatta tggaatgatg attcacattg tgagtaagtg 420
acaaattgaa cttgtgatga atgggtgatat acatgtgtat tgagat 466

<210> 33735
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33735

tgatgactat ggtgtgttgt gggacttctc caccaatgta gatctttaat tnttggccct 60
tacctaacta gccacgatct ttggatttgt cttctatctt tatagctcca tagggcttaa 120
cgtctttaat agtaaggggg ccaactcttc tcaattgtaa ttntcgagaa acaactttaa 180
tcttgagttg tagagcaata cttgttgtcc aggcctaaat tctttgagga ggatattttt 240
ttcataatac ctcttggttc tttcttttga gagcttggat gattcgtagt ccttgagtca 300
aagttgagaa acttcatggc tcaatgagct tttatttcta ataccactgg taggtggcat 360
tcttnttgt acaccatttg aaatanggae aggccaatgg gtgttttgaa ggttgttcta 420
tatgtcctaaa ggcaatcatc aa 442

<210> 33736
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33736

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 aataaatcgc tatcttgact tgattataat gactaagcat cataaattca ttacttttaa 120
 tattctctac acaaaactta aatgatatta atgtaataat tattttctca aaaaggaaca 180
 agtatgagaa aatttttaca aatttctata taatttaacc gcaaaatata ttcttaatta 240
 gcagctatca tcagccttct ttatttatat gttgctcaac ttgacaattg ttatccaatg 300
 tgatacttca ccttcatact tanactctaa caatattcat a 341

<210> 33737
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33737

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 tgaataacca gtaaccaaag aaaagcagag gtaaaacttt taaagaataa ccaataacca 120
 aagttgtata aagaataagc agaggtgaag aagctaggta ggctctactt ttgaagtgggt 180
 tactgggttca gtgctgaata accagtaacc aaagttaa atgtccatttac tcttactctg 240
 atgctagttc ataacatggt atatgtttgt tccttttaca gcttggaag cctgggaatc 300
 aattcatttg atttaagtag tttatgcatg gaaacgtggt aaagaatgat aattgaatca 360
 ttnttttatc tagtgtatga gcatgtgaaa taacaaacga tgtcact 407

<210> 33738
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33738

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 tttgacattc tattaggttg ttgttgttgt gatgaacctc tatttgaagg accatgacca 120
 cctttataac cttggtaatt ccttttgaaa cggtgtgtgtg gtcaccttg attctgcata 180

aaaatatggt gcagaaacaa attacgaaat ttagttcttt atgtaaatgt agcattatgc 480
tatttaata 489

<210> 33743
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33743

caagcttcgg aagaaagtga tgacgtacaa gccctaaagg catatcttga aagagccctg 60
gtagtcaaag agaagttcaa gtccatagcc atcacagtct gaagagagta tgatgaacta 120
agggacgtca atatggccat cgatgaagcc ttggaatgag aaaccaagat agcccgcacag 180
gaaaaacacg accaacacaa gttntgaggg gctttatagg gcagcaatag tgagctcaag 240
ctccgaaaag gtgaaaggaa tcatcacggg tcaaaggcat gatcttgaan gacgagctan 300
aggcttgccct tacgtcgaan agaaatttgt cccaacagtt aagcgagact gaagggaata 360
tgtggggccat catcgatgag tgcaaagaga agttaaatct agcggcgact cacaag 416

<210> 33744
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33744

gctcctgtgc cttcctccac catgtetaac cccacacctt tttctcacca ctccaccttt 60
ggtcctgcaa aaacctggtt cgccccatca cegtctgagg accccaccgg tgccctgttc 120
aaactcactc agacgggttc agtgccaaca tacctgaagg agttcgaaga cttggctatt 180
agaattattg gcttgatggc ccccttcttg ttgagttgct tcatctcngg tttgacaccg 240
gagatccgcc gcgcagtcca ggcccatcag cctatgactg tggaccaggc caccggcctc 300
gcgaagctct aggagcagaa gctgtcggac tttcgtccac cgtctcgttc gcgtccaccg 360
ccactggccc ctcttccttt gtgttccaac ctgcttccac cgctcttgcc attgcgacaa 420
ggagtaccac agagggcatc gntgcgcctc tcggtttctt ctccttatca cggac 475

<210> 33745

<211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33745

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gggatattnt nntgaaaatg gttatacaaa aacgatttgt tntantaaga gatgaaagtc 60
aatttananaa aaaacagaat taaaaaactt attaatcctt aaaatttcaa tttgataagc 120
aaattttattg tctgaacaag tttgaattaa cattttctat ttgaaaactt atactcaaaa 180
tattcttact gagattttga aaatataaat ttattttataa tgttataaaa aaaattaaaa 240
ttgatctatc aaatgtaatt atgagatgat tttcctatat tttaaattaa tataatatct 300
atgcacactn tttattgagt atatgtataa agtaattgac aatctatgac aatgtgatct 360
ttnttacatt gtttgtgtat tttaattaaa tntacatatg taatataatt aaacattcta 420
caataatnta taataataaa tacttaagaa tgcattaata ctaattaagt tag 473

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<210> 33746
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33746

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ggatttactg atccttgttt tgtttttaac taatggagca ggtaaagag ttccatagaa 120
gagatggttt tgaggtagca agtgetgaca agatggctaa gtcatgcatg gtttattttg 180
aaatgcatct atccctaagg aaaaaataa ttacaaaagc ttttaatggt agttatagta 240
tctacaagga aactttntgt aaccaggtct attgcctttn tgtttgagta actggacatg 300
cagggtacaat aattgttgtt gaagatgaca agggacctga aagaggaatg ccgagcttca 360
attctgagtt acccaattcc aattcatggt aaattttgtc ttgcaatag ttcttgata 420
ngcttntcat atgtggaana atcttgttca tttgtcaatc a 461

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<210> 33747
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33747

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tgggaataag tgtgggggaa ttttgtttca ctggataaca tgttttgttg gctatgattc 120
atgatgtatt ttgggccata cttgatgtac attttatatt ggttaaagt tggacatgct 180
aaatgagatg ctatttctca naggctacag agcaaaaaaa aaaaatcgaa agaaaaagaa 240
aagcaataaa gttgagtga taagatctta aatggcaaaa gaatgattag actcttggct 300
ctattcttta tgtttanaat ttatcttttag ctctttttat tcntttttca ttttttctt 360
aatatgcact tattcccat t 381

<210> 33748
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33748

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attgatatat gatagtggtc aataaacata tatgatttct aanagcttac atgttgacat 120
tgactattca gtttatacct atataaatta tctaattttg gtgagggatt gatgttgaat 180
taaaaaaac taacggaaga tgtaaaaaat gaaagtttct ttagccaaaa aaagaagtaa 240
tccttaatag catgtagaaa tgtgggtttt ctgtctccga ccgagtttgt tttcttctaa 300
ttggatcaaa atattttaac aaaaattgca ttntgtgcac attcatttat aatatgtaaa 360
ataaataaat aaatttaagt ctttgcacac attnttcagt catntttttt caatgtccct 420
tatntttta 429

<210> 33749
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33749

tatgactcgg tcaattgaga attcttgatt tacatgtttg gaagattgag attcaatgag 60
atatgggtca aatggattaa ggggtgcttg atgtctacta nggtatcaat ctttgttaat 120

ggaagcccaa tgttgaatt tatggtatca aaaggattga gacaaggaga tccttttagat 180
 cccttcttgt tcaatgtggg tgtggaaggc ttatgtgggt tgatgaggaa agcattagac 240
 aaaaaattag attctagttt caatgtgggg aacaaaggag tgaagataaa tacccttcaa 300
 taggaggaca acacaatctt catgggagag gctaccttgg ataatgtcct aaccatcaaa 360
 agcattctnt gatgc 375

<210> 33750
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33750

tatattagta aaataaagaa gagaataatt agtgctttga aatagtgtga cctacaactt 60
 ttaatctttg attatgaaga tcattntgtg aaaâagtgag ttatgattct ctcttgagtt 120
 caagaagaca ctcatcatt taagcacggg tcttgcaaag gattgatcgg gttgtgtcta 180
 tcgttgactn tatTTTTTcg tgtggtttac accctattag tttgtgcatg aattactgaa 240
 ggcatgctgg aataggTTTT tctagtttgg gctaaggtta ggTTTctctt aagttcttat 300
 tcacaaagga ccctanggtt aggtacctta gtctctTTTT tgggggtagg aactgagatt 360
 gcttgtgatg gtttgtaaga attctatatg gatagtgaan atctaattcg ggTTTggata 420
 aataactgga tagcttctct aatat 445

<210> 33751
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33751

tgctaaccce tggaagctcc taatatctct tacactTTTT cgggtgggcc attcttggat 60
 ggcccttgatt ttctcatttc taccaactac aaaacctaag aaaactatat tatctacaca 120
 aaaggtagac ttctctatat ttgcatagag ggtgtttttc ctaaggactg aaagaacttg 180
 cctgagatgt cctaagtgat catctangct cctactgtac actaaaatat catcaaaata 240
 aacaactaca aatctacctt agatccctta agacatggtg cataagcctc ataaagggtgc 300

ttggtgcatt agtgagccca aaaggcatcc ctagccattc atacaaacca nacttgggtct 360
 tgaaagcggg tntctactca tcaccctttt tcatcctgat ttggtgataa ccacttttaa 420
 gatcaatttt tgaaaagata tntgcacccat gcaacccatc aa 462

<210> 33752
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33752

attcttttga cattgttcaa gttcctcttg catggctgat gtttcctcta tggaggggac 60
 gcatcactag aaacacggct aggagactct tgaaagatta gactagggat gcagaagaag 120
 gccttagggg tctcatgagc cttaggatag attctgggcc catggactaa gtatgagcct 180
 acttatcttt gtacaaatta gattatgggg tattgctagg ggcacccagc aacattactg 240
 gtgcacccaa caattnttta gaattcccaa aatacccatc accgtatttt tttctacaaa 300
 aagttgggtt atttcattnt tgtttacatt gttgctttct ttgtttctcc atggtagtgc 360
 tgtgcgggtat ttggagcttt gagagagttt angggtgttg tgcgaatcgg caagtgtacc 420
 agatcgaca agtagtataa aatggtaaga atcgagtatc gaactctcgg ngaacttg 478

<210> 33753
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33753

tgtagaatgg ctagacatga tacatgtcan ggcttgggtt ggttcaagga ttttatggat 60
 gcccacatt atttccatga caciaatgca aaaaatgatg atttggaat tttatgcaaa 120
 actggtcatg catgcgcta tgcggacgct caagtgtcaa atttttatgg tcatgtgatg 180
 ctagggctca cgattcattt cctctattct agtcaacca atatttcaa aatatgttct 240
 tttatcaatt tgtgcattcc tccaagtcca tttcgggctt ccgngaaat tttcacagca 300
 ttcacccttc aggtgtagac acgttttttc ttcaaaaatc gggtatgatc aatgaatttt 360
 ttttcaaaga aaagttggaa atcatctctt ttcaaaaagca tgctgatttt tagctagaca 420

acttatttttc tc

432

<210> 33754

<211> 477

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33754

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tttagccttc tcaatgtatt ctgaacaaaa ttcaatggct tcttctgcaa tgtacctctc 120
aacaatagat gcttctggat gatatagatt ctttgtatata ccttttaaga tcttcatgta 180
tcgctcanac gggtagatcc accgcanata aacaggacca caacatttga tttgtgtgac 240
cagatgcata atcaagtga tcatgatgtc aaagaaagca gggggaaaat acatctctaa 300
ctggcacagt ataattgcgg cctcattntc caactcatca aacttgacag gatcaacgac 360
tntgctacat atggcatgga agaaaaagca caggcgagtt atggctaacc tgacttttgt 420
tggcaagatg tctcgtataa ccacggctaa caattgggtgc atgagcatgt ggtaatc 477

<210> 33755

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33755

tganattgac aacggaagct gtcgaganat tcanatgttc ataactntng tcaagaaggt 60
cagattcagg cacataatat atcgagacgc tngaaattaa ataacggaag ctgtcgagaa 120
attcaaattgc tcattacttt tcaactcggag gtccgagtcg ggcgcataat atatcgagat 180
gctcgaaatt gaacaacgga agctctcgag aaattcaaatt ggtcataact tttgacacgg 240
aggctacgctt caggcgcata atatattgag acgctcgaaa ttgaacaaca gaagctctcg 300
agaaattcaa atggtcataa cttttgaccc gaaagtcaga ttcaggcgca taatatatcg 360
agacgctcga aattgagcaa cggaagctct cgagaaattc acatagccat aactnttcac 420
tcggatgtca gattcaagcg cataatatat c 451

<210> 33756
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33756

tgtaggatta tgggtgtaccc atcacatatg gtactatgtg gcgggtcgggc gatggtgcaa 60
 gacaattctc cacatccaca aatcacgtat aaacccacca tcccctgttg cccacctcca 120
 actgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca 180
 tcaatcctct caagctccca caacatccaa gaaattcaac atcccatcat cacaaactaa 240
 caaaaccaag caaaacaggg caaaggcaga aactctgccc aaaacacaac tcanaatcac 300
 agcttttcac atacaaatac cccagtaaaa tttccttcat tccaattcgt taaccgttgg 360
 atcgactcga anattntact aggagtctct agtacataag tctacattnt gaccgttggg 420
 atctgctagc anacatttag aactcattct gtactactc 459

<210> 33757
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33757

tgttctgaat cacctttata ttctatctcc cttgctcttt caactttgta ctagtctata 60
 tacgatacctt tttctcacat cttgactgac tcggctatat catagcaaga gtgagtgaca 120
 agttagccat aatcgggggg aaggcgcaga acaagagatt tgagctgtga acaagcaaaa 180
 caaggaccaa cacctgctaa agttgggtgaa tatttgacta gagagttggc caaagttggt 240
 gtatatatct ataccgcagc ttttcaaagt tccacgaaat attgtctatc gaaatagacc 300
 tacggagtgg aagaagacca accaaccatt cagaaattca gataaaacaa gatatgccaa 360
 tcgccaagta aaacttgacg tacacgaata aattctctga agacaacnac tatttatata 420
 cgacatctag agtttgcaac ccatactcat canataagaa tatatactct c 471

<210> 33758
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33758

tgtctccaca totctatctt cccatntatt ntctttatcg actctccaac tcggactata 60
tcacccataa atgcatgcac tgaggcactg actcttacat atgctcagta aacacatcca 120
agaccagggc aaaatgctag gagctcaaaa ttgaccctta acagaattta agtaatcctt 180
tgacaaccct tgatgcaaag ctatagttgt atgaaaaact gtcattatca gaaaattata 240
ataggatagt caaatatcct ctgttttagt ntgggtggaa cttgctactt agtttgttga 300
aattactgac catgacatct tgcttggtat taatgtttat agaananaat gataagtgc 360
atttcatttc cagaagttgt ctanaattct caaatntgtc ttccatgtn tactcagttc 420
ttcaacttct gtaacaatga taaactntta atctcat 457

<210> 33759
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33759

cagcctgaat ggcgaatggc gcctgatgcg gtattttctc cttacgcac tcgtgcggtat 60
ttcacaccgc atatggtgca ctctcagtag aatctgctct gatgccgcat agttaagcca 120
gccccgacac ccgccaacac ccgctgacgc gaacccttg cggncgcac gaataataact 180
atccttgatg tatgctagtc cgacgtaatc aagatgagct cggcttccat cgtcatcgac 240
ggcgataaca gacg 254

<210> 33760
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33760

ntgcaagtaa ttgtaacatt aatattgtgg caacctatca ttctataga taagccgcta 60
atggaaaaga cagacgagtg tggtttctga ctattaatct ttctctgtca tgatcagtaa 120
tgtaatatgt ttgtataatg gtttatttcg tggaaatcac aattatttaa gcagaataat 180

tttttatagt ttaaagact aattattcat ttattaattt aactaacatt anggtgagaa 240
 ttaagataaa tgtgatgcan aaagcaacat atatctaaca caagctgcta ttattatattt 300
 tatatataaa aaaaacactg ctattagatc atgctggccc attttcaata tgagtttgct 360
 ttagtcagtg aatcctcctg tatgagtctc tgttcaagcg tccacttcat aagtaatcat 420
 gtcattttct ttcaccattg gtacgagtta gtctttccct 460

<210> 33761
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33761

tgtagcaggg taattattat ggtaaatggt tggactatat tgtgagatac attgcaagct 60
 gtctataaca atagttnttg ttagtataat ataataataa tatgatatga agaataataa 120
 tgtataaatg aattacaaat tagaaattac aaatctgtat taagtattac cattagtagc 180
 tgaacgttgt ctttttagtt gttgtaaaat agttttccta cgcttccttc gttcaacata 240
 tttgtccatg agtagttcga tttctgcaac aattggctta taattgctaa acaacaccaa 300
 aatcaaagt tgaaactgag ttaaataagt tgctgtaata gggtgacttt gaaatgatac 360
 caacattata gttatttgca tttgcatgag cgaagtaaga gatatgtatt tgcaatcgaa 420
 aa 422

<210> 33762
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33762

ntagctntgt ccncaaggct tcatgtagac tggctcttta tcgcaagtg aacctcgat 60
 ccctgtcaga tacaatacta gaaggaattc catgcaacct tattacttcc ttgatgtaca 120
 actccactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
 tgagtcgatc tactataacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctcccatt tccattctgg aatttccaat ggcttcaatt 300

ctcttgatgg tgcgtggtgc tcaaccttag ccttttgaca tgtcaaacat cttgctacat 360
 attcagctac atctttcttc atgccatgcc accaaaaact tctcttcaaa tcttgacat 420
 cttagtcatt cctggatgga aact 444

<210> 33763
 <211> 109
 <212> DNA
 <213> Glycine max
 <400> 33763

agccctttca ttttattaga tgctgctcgt catgaaattg gtcgatgcaa aattcgacat 60
 tgggtcatatc ataactaaaa ctgatgatct aagacctcaa tctaagatt 109

<210> 33764
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33764

agctttgcat attatcaata aaattgatat gctatcttca aatcacaaac atccaattgt 60
 gctacatctc tagttgtcat tgcattgaatg tcaaactttc taatattaac aagatgattt 120
 atacttatag catcttctgc ataaaaacca ccacttcttc cacatctaata actatcaaaa 180
 tcataatcct ctccacatt atactcaatc gacttctcat ctcccttatt gtcattgtca 240
 tcattctcaa ctntatcttc tccattctna tgcataaata cattaccata cgcattcacc 300
 aacacataaa acgaagctcc caaatcgccg aataaccctt ctctactat tatgncctnc 360
 aaacctaca aaataacaca tttcaaaaaca taaataaata catagc 406

<210> 33765
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33765

actcaagctn gaaaacaaaa tttgctatta atttctattg ctacaacttt cataagtgat 60
 gatggctact tgcacacaca tntgaggagt gtgcatttgt tactcttaac gaaagaatcg 120

ccattccctt ctcccttgaa tagctcctcg ctgcttcttt ctttgtctgg accaaaaacg 180
 taatntgctt tgctaaatct tacaagtttc ctttacattt tccattttgt ctattatgcg 240
 ttaataactt attgattaat ttgcactgat ttgatcatgg ggacatgtat taaacgatgt 300
 ggattacata gttatatatc ccatatcgac ggtattataa catatgacga tttatgctgt 360
 ttaagacact aaccatattg attatacgta tagcatagaa cactatcatt attcgaattc 420
 cggaccacga tgcacatacc tcccttatat acatcactaa tctacttggt ttaactatta 480
 catg 484

<210> 33766
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33766

agctttacca gttatcaacc attctctgcc tatggcgaaa gccatggcct ctacacagat 60
 ggacgacaat gtagcatttt ttgagtaagc aactaactga gcttgcagag atgcttacca 120
 acagacaaca atgcttgaag aacatcaaaa attgattaca gatctgcaa caaaaagga 180
 tgatgcacac aacgaacatt caaaaacact gcaacgcaag ggggattcac tgcgaaagaa 240
 aaagtgcaca gacnacaat ttaacaaatt caatctccat tttctattga agtccagaat 300
 gagagaatct ctgaccacta tcatcacgag taactcgtgt tcacaaacag tttttacaac 360
 atatgtctta cgaggactct gtcatgttat taatacagat a 401

<210> 33767
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 33767

actcaagctt gtataaatat agtgtgcctt tatctaaagc caacttatat aaatattgtg 60
 tgcttttatt cacttgcact ttcattcttc tccaatctta ttttcatcca acctaagttt 120
 cctcacgaag ctttttttgt ttgtctacat cccacttttt tcatccttct atccatctct 180
 tgtttcttgc attgtgaacc aatggtacat gcacaacctg gacctattga tgacttggtg 240
 ttaaaacttac aagacaatca tatttcgaat caagtgtgag aaggccaaga gagaatgatt 300

tgtctaaggt ataatactat ttgggctttt acacacttag atcggataga taattgtgtc 360
aaagacctaa tcgctgtagc tgattctgct catgttataa atgctggaaa aattgatatt 420
aa 422

<210> 33768
<211> 230
<212> DNA
<213> Glycine max

<400> 33768

tatacaggca tgccacactg tctgaggact actatcatca aatgcctcat acaatggagc 60
ttcgacaatc tgcaaagggt gaaatgcatt gcgcattctt gccaatcca atgacactgg 120
cttgatacga caaaaatagt tactaaatat gatttttagc tactcaaaaa ctctcataac 180
tagcatattt actgaaaatt gatcacaacg tgaacattga gaactttggt 230

<210> 33769
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33769

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tggtgcctcc cctctcctct tctcctttgc cttccgctgc atctccatag tgtaaaatca 120
ccattgaagg acctcattga agctcaaaga tccagcctcc atagcagctc cacaagcaag 180
cttccatcaa aatggctttg ggatggtagc ctcagatgac tcatcctcca tatgctgagg 240
tacctgngct gtgggacctt cgtcttcctt gtgaagagaa ngttgggtcc caggccaggc 300
taccatctca ttaaaactggt ctactgaagg gatagagttt tgaggtgcca ccatatataa 360
acattgcagt aaaatgatct gtccctgatg aatgctctga agcatagtgt cacaacctac 420
ccttcngcgg gagggcgaca cgaaggctca cgggtgca 458

<210> 33770
<211> 492
<212> DNA
<213> Glycine max

atgttccaag aactctcgga tctggtccga ccatgcccac ctgatttcca gctgggaaat 120
 tggcgagcgg aggaacgccc cggcatttac gcaacgagca taatgtaaac ctttacagtt 180
 ttaacagctc tatagttggg cctaagcttt acagtttcta ttttcgtaag gctttgtgtc 240
 ttttgcctt gaatttataa tacaaggatc tttcttcatt tgcctctggn ctctacccat 300
 tctcattcat t 311

<210> 33773
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 33773

gtgaataacc agaatagtc gtactagtaa ttcaaagaat cagcaacgta cctcagcagg 60
 ccaggcatca gactcctgta aactcacatt tgtctccaac tgtctgaatt aaagaactcc 120
 aatccatcac cacttggccc agccatttga tctttctttc tactacactt taaatttggg 180
 ataactttat tcaactatga ttatatcaga acctaacacg ttttgcttca cttcaccaaa 240
 ttgatactcc cttgctttct cctc 264

<210> 33774
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33774

tatacaaact caagcttgaa ttaaagtatc tgaaccttca tgttacacag nttgntcctt 60
 aatgagctgg ttgcaaaaat tggcaaaactg actattcacc taccatgca acttcaatac 120
 cacctaata tcatgtctat ttggattttg aatccccatc accataaaca gatccacac 180
 ttgctgggct ttaatacaac cttcgcaaca atagcccata tgaatgcctt tcccacataa 240
 attttgaacg ttgagcacc atgctcaaga ccttggttcg caacccaacc acataccata 300
 taccacatct cctcaaattt gatatgcctt tgttgggtca aaacattatc aactacgtcc 360
 aattatgaag tgactccttt aactagcatc aagtccttgg tagtcacttt tctatcca 418

<210> 33775

<211> 358
<212> DNA
<213> Glycine max

<400> 33775

ctactcgata cgtgctatgc acccgagtt gtgcacattg tgatgctcgc atgaatattc 60
ccggagcgtc tagtgttcat agccgatctt gacgagctta tacgctccta ctttaagacat 120
tcctcggata agttatgaac ataagaaatt ctcaccgacc gccggagtta tattatccgc 180
gaacttctgt gagaatcact tccgaccgac ctggcggtgcc gtagccacga cggtaagcat 240
ttagaggaac ctactagtgt aataatcaaa cagacatctt ttagtaaaat cccgcggaga 300
atcaatcgga cgatgtctct gtgcgatttc atattcttaa acgaattgat gaataact 358

<210> 33776
<211> 488
<212> DNA
<213> Glycine max

<400> 33776

cgccggtcgg tgagctttga acatgataca aggcgatcta ctgtaccggg agctctaagc 60
ttattgcgtg tatgcacgct ttgtaatggc cgagacatgg atggctcgat cccttcgagc 120
tctaaccaaa atcatgcctt cgcctgccaa gaaaagatgt gatattacag cggtagaacg 180
tgactaatct atagcatgta ggactattta gtaccctaaa catgtcgacc tggctggcag 240
ggcctccaca tagcataacg gagatacaac atctccattt ttgacatcac tacaacgaaa 300
gatgtggctg cggtaaaacc tatttcacat tctctaacaa taccacatc ttccacattt 360
cattatccga gacaccata atcctgcaaa actgcatcac tgacctttca tacgctcctc 420
tgcccacacc atctttgcac actaccttct tacgcacacg gctggagcca ctggaccatt 480
cgcttcgg 488

<210> 33777
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33777

tttaactcga aaggccctca tagacttttt tgagatgttt atggatgtct gaaatgaaaa 60

taaaaggcca tattggatta gagatcatgt atggaacgat atgttatcac attggaatgc 120
acctgngaac ctttccaagt gtgcataggc aaaaaaaaaa aaaaattaga catctaaaaa 180
ggtggatgta tgcacacagg tggttctatc agccttcggg atcacgtcat tcgcttggtgta 240
tgtacattaa aattataata catatttctt tgtattgttt aacttacttc ttaatgttta 300
ttttataatg tttgttaata atagtcacaa gagtttggtc gatctgcata catagatgag 360
gtctttcagc acactcattt a 381

<210> 33778
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33778

attaagagac ttctcccgga agcttcctcg tggattcttt gagaagctac acccttatct 60
atccacaccc ctcttttaac ttacttaacc tccttcaaaa taattacgga tgacaataac 120
gcaacaaata atcaaacatc aagcctaate actaataata tatatatata tatatatata 180
tatatatata tatatatata tatatatctc tatatctatc tatatctatc tatctctgca 240
tcccccccgcg gatccctctt ctctentcca tctccctaca ctctctcttc cacatagtca 300
tcatatcttc tcatacatcg cccaacatac cgccacctcc gcctgcggac accaccctgt 360
gtcctctcat ccgcttggtat cctactctt ctctactcac cc 402

<210> 33779
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33779

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accagtggga cattactctt aaaacaaaaa tggcatataa cctcctccca caaatacaaa 120
catcaatgta aatttagagc aagcttatgc gcatatttcc ttacaatcgt tctcttgcac 180
aagacaaaaa aaaaatgcac ccatatacaa tcaaggcagc ttcgttacct agattattta 240
cacgtacttc caaagtgtat ttgttactta catcacacac atcttcttgg ctaaattcac 300

atacatgcat actctaagca ttttgnggta ccacaaattg cacctgtgca catcttggtta 360
 tttctaatac ctatacatac acaaacttca tgatgaatct tgactatcta cacaataaag 420
 tgctacatct 430

<210> 33780
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 33780
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 caggagaaaag acgaaaggag acaaggagaa aattcccaat caaagagtgg gagaaagcac 120
 ataaaaagac tagacagaaa gttcccaatc aaagagtggg agacagcaca aacgaaaaga 180
 aggaaaattc ccaaatacaa gagtacgaac acgaaaagaa aggagagaca attcccgatc 240
 aatgatcgaa agacaacaga agaaatatgc ataacggtct ttacaccag accacatctg 300
 aacaaatata gagttactac caagtagaca caaaagaagg cggggaaaac catgacctga 360
 agcggctctc cttctttgat tgccaaccac aatcctgt 398

<210> 33781
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33781

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 gaggagctgg agtggatgat gnaaggatct catctgctct agccctttnt ctgatgccca 120
 tctgtgacta aaaagaactc anaattgctt agaccaaatt tatttaagtt taaaaataga 180
 tgggtgctta gcgggatata gattgctcag cgcgccctta gaaatatagc atatcgactt 240
 aacgaaatag tgtgtgcttc agcctaatac acaccgcaac aaatatgtgc taagctcagt 300
 anggttgogc ttagcagcac caagaaattc tgaaaattca ctaagtatga gggcttagcg 360
 agccagacac gcttagccca atgatttccg taacgaaatg 400

<210> 33782

<211> 364
 <212> DNA
 <213> Glycine max

<400> 33782

agctttcatc acttattccg caccagcatg attggagtag cgaccttaag tgttaatttg 60
 tgattaggta tccctgatgt tttcaatgag tttagaaatt tacgtgtcag taatccgaaa 120
 gtaggattga gtagttcatc ttatttatca atgttatcag tgctacaata ctcccttttcg 180
 tcattgggta tcaatgataa gacaataatt tattttgtca acaatatctt ttttagaggc 240
 aagaacaact cttttttgca agtaatctgc gttgctatag ttatgtgtca agttgggata 300
 tgttgcatca acaattgcct ggataggatc agtatagtcc tttataagga actcatctgg 360
 gatg 364

<210> 33783
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33783

tatgcacgga anatgtaatt atgaaattga gatgccttgt gaaacacccat ttccctagtta 60
 accatgcatt aggtaccatg ttcaattatt ttgtttttta gtgaaacggg tttatgatcc 120
 caacatgggt ggctcgtggt gctaacaca tgaaactaag aatgtagtgt gaagtttcac 180
 gcttccccct tttttgtttt tgttttgtag aggaaaacgc aaggatgagc aaacatgaaa 240
 acaaatggta tgcaattttg cagatcaaaa agtttgttga acgcatatgc atgatgatgc 300
 catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcag gatatgtcca 360
 ttatgatgtt atgaagagat gcttatgcga tgcgatgat gaatgcattt tacggaca 418

<210> 33784
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33784

agcttatgcg catatttcct tacgaacggt cgcttgaca agacattctt ttaactaaga 60

aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120
aaggtgtatt tattacttac atcacacaca tctccttggc taaatttaca tacatgcata 180
ctcaaagcat tttggggtac caaaaattgc acatgtgcac atcttgggtat ttctaatacc 240
tatacatata caaacttcat gatgaatata gactatctac acaataaagt gctacatttc 300
atgctctttt caagtttttg ctacctaaag ccgcatgcaa attcaagtat attttccttt 360
gctgactaan attgtagtaa aagggtatata ttctttctgt aatgtatttt ctttacataa 420
catg 424

<210> 33785
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33785

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cccatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattta cctgggtcaa ctttatcaga gagaaatcag acaccttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat tangagtgc 240
catggcagag agtttgaaaa cagtaagttt actaaattct gcacatctga aggcattcact 300
catgagttct ctgcagccat tacaccacaa caaatggca tagttgaaag gaaaaacagg 360
actttgcagg aagctgctan ggtcatgctt catgccanag aacttccta taatctctgg 420
gctgaagcca tgaacacagc atgctatatn cacaacagag tcacac 466

<210> 33786
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33786

ccgcgcgtg tcttgacctt aggggattga ctgctaccgg gatcttaagc gactgggcag 60
cggttttgag gcttgagcat tcgatgaaca cgnacctgta gtcgatgaga ggcattgctca 120
tgcattgtgaa gaaacttatc taactgagaa ttgtgtctat agacttgcca tgatgatgct 180

tgatgcacga catatcctac ttacagtatg acagatgacc tcagggatga tccatgataa 240
atgccgctca tgggagcggg gcatgttacc gactagactt cgcgaggctt cttgcagctt 300
taccttgatc tctaagctct cgcctttctg atgtccacca tgttgetcat gtcgctaate 360
tcatggcgct cgcagtatct ctaacatata ctaggttatc gtgctgagac gtataataac 420
aatcctataa gctgtcatga cgtatatcga agatgactac acctcg 466

<210> 33787
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33787

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atggcgctn ctctcacctc ttctcctttg tcttcgctg catctccatg gtggaaaatc 120
accattacaa gacctcattg aagctcaaag attcagcctt cataaaaagcc ccacaagcaa 180
gcttccatca cttatcatat tgccttgtat gtcttatgca tcatatcata ttgtcattgt 240
gaaaacaact tttcccgaca aaattttcgt tgtaagtgcg tgcctacaag tccattgcta 300
aaagtttcta caacgacatt acaatttggt gacattactt atgttttaac aatgataatt 360
atcgccatta ttttcacaca attgttgcta ccataagtaa tttgtagtag ccattgaagt 420
tattgttgta tttacaggcc ttaacaacta ac 452

<210> 33788
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33788

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cgctgacgat gatccctcga cggtggacgg cgcgctcgct ggctcgcgcg ctctcttca 120
ccgcggctcg cggtctcggg ctgctcgcg ttcgctgac gcggctgacg aagaacacga 180
agaatcaaac ggagaacaac aaaaaggcac cgcgaggaag aagaagaatg gctctgggga 240
agaatcaaac gctccgcg 259

agctntacct tagtttcggt gtttacagaa naataaaata attcctatgg ttggaggatt 60
 gtgaaatgac atttagaaaag ttaaaggagt ttctttccac tctcctatc ttgacaaaagc 120
 ccaagtcagg gttgccatt ataaaatact tgtcggtcct cgagcatgtc gtcagctcag 180
 ttctagtaca ggaatttgga gttgaataaa agccaaatta ttttgtgaac cgggtgcctt 240
 ttggttttoga gattaggtat caaagttaga gaaattggca ttggcagtac ggatcacagc 300
 tagaaagtta aagcattatt ttcatagtta cccaattata atttgaacca attaacttat 360
 caaaacaaat tntacagaaa caggatcttg ttgatcagat gatgaagtgg ttgttgaact 420
 ctcagagttt ggtatatcgt ttgaaa 446

<210> 33792
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33792

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 attaacctat ggaattaaca aaaacttaat ggctgagtggt aactgacatt gcggcaacca 120
 agagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc 180
 taggttgcca attgcgcctt tattacaact tgaactaaac ctaactaaag cccttttagt 240
 tgatcaaccc ataacatatt attggccacc caactttaca aggattgcgc cattatctag 300
 acaaactaaa cactctaaaa ttgagacaag gtggtgtcat ttacgcctcc tccatttgcg 360
 ccatgatata actcacaacc 380

<210> 33793
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 33793

aatcaaaaga tgcaactcct caaatgatct ttgacttatt caaattgggt ctaatttttt 60
 ctaaaagtta taactcttct aaatggctcct cttgaccaga catgaagagt ctataaaagc 120
 aaggctttgt ttttcattgt caatcaatct ttctaact tttcatata atcatttaca 180
 agccttgaat ctctttgaac ttctttttct tctttgtacc aaaagctttc caaagttttc 240

tggttttcta aaccttgaaa acttggtgcta ttcattcttt tcattctattc tccctttgcc 300
aacaagactt caccaaggac taaccgcctg aattctttct gtgtct 346

<210> 33794
<211> 336
<212> DNA
<213> Glycine max

<400> 33794

tacgctttca catacaccga tggattgat ctttctgcat ccgatgatga agatgatgat 60
ctctcggaag acgacgaagc caaaagggtcc agtcagcagc agcaaaggcc tgtttcgaag 120
ccacttgatg tgcattattgc tgagaacgag ttgactaagc gtgacaagca agatctttta 180
gcaccacatg ttgctgagca ggcaaagaag gacgctctca aggatgatca cgatgctatc 240
actgtggtca ttggaagccg cgcttcggtg ctcgatggac gagatgatgc tgatgctcat 300
gtcacagata taacagtaga caatttctcc gtgtct 336

<210> 33795
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33795

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tgcggtgctag tgtgctatat aactagagag ttctcattgt ccacttcttt tgactttntt 120
cgtacccatc cactatagct agcactaatt ctatattctc ctaggtttga aacttaactt 180
taaactcatga agtcagccat ccattgtttg attnttttta tactaaaaca catttttgag 240
tcaaataaaa ttattataag taacaatttt tttaattaaa ttaaaataat tntgtcaa 300
aattcatatg tctgatttga ttattataat taatgtcctt ggctcaacaa agattatgac 360
aaagcacttt anaaagccag gttatactca catccaaagc atgaccaaaa tag 413

<210> 33796
<211> 298
<212> DNA
<213> Glycine max

<400> 33796
 agcttggagc cggcctaaaat gccacagtag ctgtaatgag ctatagtggg tatgatatac 60
 aagatgccat tgcgatgaac aaggcatctc ttgatcgctg gtctgcgccc tgtattgtta 120
 tgaacaagca tgtcatttta ttccggcgatt ttatgctttt gggtgcctta tattttattg 180
 tctacgcttt ttaacgcagc atttctgacg ttgaccttcc ctgctgtata ggtataatgc 240
 catcatctac aaccattcga atgacacatc ataccgaata cttacgccta atacaact 298

<210> 33797
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33797

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 caataaaaaa agtgtcatat aacctgctta ccgtctctct tgatttttgg cgaagaccat 120
 gccatttttg aattgcatgt gcaactctca cataagctgc atttggtcca gtaccaacaa 180
 tcaactccagc aacaacatcc tgattgctga atcttgcctc agctactgtt ccgactgtgt 240
 cattaacctt natcacatca ccaagttntg tctctgggtc aagacattaa gtaaccagga 300
 aatttaaaag aaaaaaaatt gaaactacaa aactcattga tctaaattnt ccgccatata 360
 gaaactgaan natattctca nagccagact anaggggaaa aagaaaacaa gacaaacagg 420
 aagagaagta cactgact 438

<210> 33798
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33798

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 tcagagtaac ctgcagcatt cagcttttcc cctattttta taaggagggg gagaattgaa 120
 gtggactctg gtccatccca ctgagccctt gtctctgtct cgaacttggt tagaaacatc 180
 gtttccgcga agagaagcca agcctatgcc actccgaagc gcttccgtga gcgatcacgc 240

aaaggtagtg acgcgttctt cgacagtatt gattacgact tcctcggcct ctgagcctca 300
acggcggaagt actctcgacc cggctcttcg agacatctat gtacccgagg tgagtcacac 360
cgagcccctc gcatttctct atctcgttta gtagagcttt acgatacacc gttgacgcgc 420
ttacgacacg acattgaagc cgtatctctg ctatccact aataagatag tgatccaccg 480
atcgcg 486

<210> 33799
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33799

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attcaacaaa ggcctccatc tttatggaga ggggtaccact actggaaaac ccaaatgcaa 120
atTTTTatcg aggcaataga cttacatatt tgggaagcca tagaaatagg gccttatata 180
cccaccacag tagacagaat tacaatagat ggaagcacat caagtgaag cataacaata 240
caaaaaccta ctgatagatg gtctgaagag gataaaagat gagtacaata caatttaaaa 300
gccaaaagta taattacatc tgccctggga atggatgaat atttcacggt ttcaaattgt 360
aagagtgcta aggaaatgtg ggacactcta caattaacac atgaaggaac aatagatggt 420
aaaagatcta cgataaacac attaactcat 450

<210> 33800
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33800

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atgccgagta taacattttc tgtttataac ttattgatgt attaatgca ttgatcatca 120
ctgaaaaatg ttagattttg gtgtctcatt tcttgTTTT ataatgattg ccaggatcac 180
tattttgatg tgataaccaa catagttggt ttggttgctg ctgtcctacg tgataaatTT 240
acttggtgga ttgaccctat tggcgctatt ttgcttgacac tctacacaat ttcaaattgg 300

tctaaaacag tgcttgaaaa tgctaggtct ctctttctct cttcttatto tgcgtcttat 360
gctttgttca attacgtact ctattttaa gatgggtacc tcttggnnta gtttccttgg 420
ttggacaatc agctccacct gaagtc 446

<210> 33801
<211> 369
<212> DNA
<213> Glycine max

<400> 33801

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tgttcctttc aaacacgctt tttgagaact acattgaccc aactgggtgg tttctttatc 120
ctacaaagat caaccctcat tatgattcat tcaactcatcg tgatgacatt cttccaacta 180
atgaagaaaa caaactactc ccatgtccag aacgccaaaa gtctctctac gaggaacaaa 240
aatgtactct tcaactgcaag agtttactaa acacaaatac catccaattt cttacatggg 300
tttggtgtgc cttatgataa ttggtgttcc ttgcaagcag aggaactgca acagcaactc 360
ttctatgag 369

<210> 33802
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33802

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ggcctgtatc aatcctattc tcttctaaat catgacaaga atgataacaa caaaactaac 120
cataatctca tagttatgaa catgatatat tntctttgac agtacatttg ttccccttat 180
aaaattctct ataacagttg ttgttcatat ggtttctgtg gcatgccctt cagaatgctt 240
ttgcaaccag tcttcaatat tgtatttctc aaggtaggaa tagtgcatat cacttctgag 300
ttgatctctg ttatcattca cagggtntat tcttccagtt agatagttat tcagtgaact 360
ggttaaggcc ctttggcaag taactgggga gctctctcaa tgcaatatca taattntaag 420
cagttaatac tatgtga 437

<210> 33803
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 33803

acgccggtgc cttacatcag cctggacgtc ccgcatctct aagcactgac gatgccgctt 60
 ataaactata tccatattct gtgggtcatt caccttaaaa attcttttat ccatctccta 120
 tactccctta ttctatctct attctgaatc actatgacaa atgatattat ataacgtctc 180
 atgcatgaag aactgcacac ccataacata tattgggcct gattacccat aacctacaac 240
 ggcgatgtca cccctccacc tccactgtcc ccacagctca ccccatatac cgcgaccctt 300
 gcgctctcgc ccccccccca cctccctcgc tcccatcccc ccgccaccct cccgttcccg 360
 tcgctcccag cccaccccca ctcccccccc tccccccctc cacaccctc gccccccccc 420
 gctccgcacc cttccccctcc cccct 445

<210> 33804
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33804

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 caactgttgg caatgacgag ctattatttc tattatttaa aagttcatac tgcaaagagt 120
 cttggacact acgaagctgt tccaatactt cttgcacaaa ttcaacatct aatccaaatc 180
 tatectgtc caaccatttt cccaatgcc a gtagatacc ttccagatca ttgtctgaat 240
 aaattacatc tgggatgcc a actgaaccaa gagaaccaca aaatttatcc aacgaagtac 300
 agtatgtatc actttttcca ttctttaa at cccacttatc aacatgggta caatagaact 360
 tgagagttcc tttcagtttt aagatattct tgcaagcatt aactagcttt tgagaaataa 420
 ctctc 425

<210> 33805
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33805

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gacactactc ttaaaacaaa aatggcatac aacctcctcc cataaataca aacatcaatg 120
taaattttaga gcaagcttat gcgcctatct ccttacgaac gttcacttgc acaagacatc 180
ctattaacta agacaaatgc acccatatac aatcaaggca gtttccttac ctagattatt 240
tacatgtact tccaagggtg atttgttatt tacatcacca cgctctcttg gctaaatcta 300
catacatgca tactcanagc actntgnggt accaaaaaatt gcacatgtgc acatcttggg 360
atttctaata cctatacata cacacacttc atgatgaatc ttgactatct acacaata 418

<210> 33806
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33806

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tgagttcttg ttacattggc aaaaaaacat gttcaaattg cattaattgt tattcaattt 120
agttgctaatt ttgtctaata ttgttgagc atcatgtaag cactgngata tttttcgaaa 180
aagtcaaatt acaatagtga aagaagcatt gcaaaaagga gaaatctcaa gtgagcatga 240
cttgaatcaa gagagcagga aacactaaat gaagctcaca ttatggtaca ttacttagtt 300
tagtttctct tttttcttcc atgattgatg tgcttgaaat aattgaagaa gatgacataa 360
gtttagagca naaggctaaa atatgtgctt tngtaaattc tgtgcaagct tttgaatntg 420
ttttcatctt gcacttgatg aaaaatatct t 451

<210> 33807
<211> 347
<212> DNA
<213> Glycine max

<400> 33807

agcttattaa tgtccttacc gtttcacatt gagcatgtat gacaccagtg actgatatga 60
tgtgcaaagc tgggactctt actatccagt tgttataact cacacactct taccttgaca 120

gtggtgggat taagagaaac actatcactt gtgaggactg aagattggcg attattgctt 180
 gcgatatgtc attcttgcta accatttcat tagacgcgcg tctattctg ctactttcat 240
 gatcctatga caactgtgaa cttgagaact gtccaatcca gctctctaca acgcatgccg 300
 ctatctcatg agtggttgatt gggcaactct ataacttttg cttctgc 347

<210> 33808
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33808

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 aattaagcag cttgttgaat aatgagtctg ttatttactt catattaatt ttacgtgtca 120
 tttgctgcag actgattggg aggggtggcta cttcccgtt acgctgcact ttagtgaaga 180
 ctaccaagc aagcctocaa agtgtaaatt cccacaagggt ttcttccacc ctaatgttta 240
 tccttctggg actgtttgct tgtctatact taatgaggat agtgtaagta catctctctt 300
 gataattgca tgactgcttg aaaccaatnt attttttgat atattacatg ctaagcaaac 360
 agttaagaat tataggttta ttgttctata caggggtgga gaccagccat aacagttaag 420
 canattcttg tgggcatcca agacttactt g 451

<210> 33809
 <211> 103
 <212> DNA
 <213> Glycine max
 <400> 33809

agaggggtgac tactactgga acccctatt gcctatattc accgccgttg cctatttagc 60
 tgtctgtgaa gccatagcaa taaggcctca tataccttcc ata 103

<210> 33810
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33810

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gaaataaaga tacttagaca gaaaaaaatt aaatgattac tccatttgat aattgattgc 120
ccagtttatg gaaatgcaga acaaagggtg ttttgacgaa ttaatcgatt tctaattct 180
ataatcaatt agatctattc tatttgtaaa aaaattataa atacttggtg caacctacct 240
cacgacggga tgacaaaaga aaataaagaa taagcatggt tgtctcctaa ggagaaaatg 300
agtggagtcg tcaccaacat ttatttaagg aaaaatatta gaaaaaccaa aaagagggtt 360
gcgaatnttg aaaagaacgg ttcgagagtt gtttatgtat agggaatgta ttagcacccc 420
atgcgcccgt cacaagggtg gacaaccttc aat 453

<210> 33811
<211> 392
<212> DNA
<213> Glycine max
<400> 33811

taacttttat tccataacga aattcaataa atacgcctcc tacccttaat ggagaaaagtt 60
accactactg ggaacaccga atgcaaactc tcattgaggg aatagactta cacacttgcg 120
aagccataac agtaggacct tatgtaccca ccatgggtggc tggaaatgca acaatagaaa 180
aacctagaga agagtggact aaagatgaac gactattagt gcagtacaat ttaaaggcta 240
aaaacatcat tacttctacc ctacgacatg atgaatactt tacgggtttca cattgtaaga 300
atgataagga tatgtgggac actctacaag ctacacatga cggaacaact gatgtcaaac 360
gatctacgat aaatacttta actcatgagt at 392

<210> 33812
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33812

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ttgactgttg gaactgccta acaaattata gtagataaga tttttatgct atttttaagg 120
aaaaaataaa agtcatgttg actgatagga taaagcagtt ttgatcctat tctctangca 180
tgatttggtg gtgggtgttat ctttctgtta gtgatgttat ctttntgtta gcagttatta 240

tcttttccat gctttttaa acgttgcttc atatcagaat aaagtaagcc tttgcagtct 300
 caatttcttt ctttatgctc ccttttattg tttaatatct ctgcctactc ttattaaaaa 360
 aaaacaacaa attggtatct agagctctta tctttaaggg atctgtgagt tgagagaaat 420
 cacaatggag ggagaaacat catacacagc aagttcacca 460

<210> 33813
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33813
 aaagtacata ttacatata tacatatata tatatatata actcagatat gaaaaaatc 60
 ctgcgataaa ccttatatat ttttactcga gacaacattt attatacata ctatgaatga 120
 catgaaaaca attattaaca actaaagaat ccacataaca ttaaataaaa aatacaatta 180
 tgcttaaact actataaaga ttaacttcag aacatacaaaa ataaaaacta atacaaaggt 240
 ttattctttg tctatgggac atatagctcg aatttctcgt gatttaggag ctgcagcaac 300
 tttgcattcc atttg 315

<210> 33814
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33814

tcagttcana gcattgaata attaaatatt tggcatttag cttgtgcaca acacaaggaa 60
 cttatgcctt tgaagggaat ggctatagct aaatgggaat ccaaatttaa tttatcaggt 120
 gctctacact agtgaaccaa atcttcacaa atccctcacc accagtgtga acaaaacatt 180
 acatcagcgt gtgatgattg ttgatgatta tgtcattgcc tcgacaattg tagtatatac 240
 atgtgactca atcggtagtg tttgattctt ccatttcaat ttacacgttt attgattttc 300
 ttctttcata atgcgtgtta atcctacctt ctttntgttc tgtagcaag caaaggaaag 360
 ctaatatact ctntctcttt gttctttgga gaannatggg ggaaacaagt caaccattgt 420
 gtcaactctt cacaccccat tttac 445

<210> 33815
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33815

tgtaaagctg actatcttca ttccacagtc gattggataa tgaagagatc tacgcctact 60
 tccatanaat tgaacatcta cccaatcgcg gggctcgata cacacaatac cttgcaaagt 120
 cctagtacgg ctgactgaca acaatcaata taacatctct cacaagagtc acatgctcca 180
 tttcagtttg gattcattgc ttcctttgag ttccgccatac cttcttggtg tacagataac 240
 tccacattct cactgattgca acttttaaaca ataaaatacc cattgtcttt cgtggagacg 300
 tatattacag cagatcatac aggtgagaca atatagactt aactgaccca acattctata 360
 gattatacgt ctgttcaaact actcagactt tgacccacac ctcttggtgag accg 414

<210> 33816
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33816

tgtgggtcaag taggttttct caaaagttgt agacattttg tgctcattca tatcttattc 60
 aattattact gcatgaagtt tcttggtgctc atattgaatc tgtttgtttg atgggtgagat 120
 gattctttaa aaaaatgatt ccttgactcc aataccataa atttcgtggt ggataacctt 180
 gcaaactgaa gagataagtg tcaagtcgta ttattctatc gcgaaacaaa gggtgatact 240
 ggtttttaa atgcgtttccg caactacaat tgtagtcaca atgtcaaagt attttgattc 300
 atcataatgc aaccacaacc gtaattgcag cgcattagt cacagttttc tgcaatataa 360
 aggttttctg attcaccaca attgcaactg cgaccacgat ngatagtatt agttacttgc 420
 tgttccctgc cccaatatag ttact 445

<210> 33817
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33817

cacgatgctt ggtagtgcga ccatctagac cctttgttgc gcaatcatct gtagaacaaa 60
tncacatatc catccgaata catgaatgag aaaacggttag ggctcctata tttattacat 120
tggaatctat ctaatatacc gaaatgatct gtttaataaa atcataaaca tattcccaat 180
cttagcaagc atatacgaca ctgatcttcg actataccaa ctatgacata gtaactcttt 240
cacttttctca accatatgat ctataacata ctttgcaagc tcacttttga cattacaaac 300
cactccccac gtgaaagtca agccaccctc tgaaagcgga cegtgtgtga cacgtactga 360
acatatggcg ttgccttctc cg 382

<210> 33818
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33818

tctttgagaa aacttccttg agaagctaga gcttagttac acacaccctt ctcataacaa 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctat 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagaa cttagctaca 180
cacccttat aatagctaag ctcaccccca tgacaaanaa catgaaaata caaaaaaaaaa 240
gtccttacta caaagactac tcanaatgcc ccgaaataca aggctaaaac cctatactac 300
tagaatggcc aaaatacaag gcccanacga agganaaacc tattctaata ttacaaaaga 360
taagcgggct catacttagc ccatgggctc gaaatctacc ctaaagctca tgagaacnct 420
agggcctacn cttggatctc ta 442

<210> 33819
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33819

agcttcaaga aaattatggc ctcagaanac ttcttatttc cagaaggga ttctatcaat 60
acacctccaa tctttaatgg agagggttac cactactgga aaanccgaat gcaaattttt 120

<210> 33822
 <211> 162
 <212> DNA
 <213> Glycine max

<400> 33822

aagggacaac caaggacctt catcggagtt tcacgacact gcaagatata tagctatgcc 60
 gaacatacgt ctaaaagtta catttcaatc tgctaacaac aatcccattt caagaacctc 120
 attttacgtg gaacttaciaa ataatgacat tgctacgaaa tg 162

<210> 33823
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33823

cggccacgca ggccattcga ggcgattgan cncatgagnc cnttcganen ccccagacac 60
 natataagac tcaagcttgg gcgtaacaca cacccttatt atgtcggcat tcaacctttt 120
 tcatnccacg ggangcaacc aggatgagat gccaaactgct cggcctaata acacataccc 180
 tcaccttgga aagcaccatg cttgggtaca cgctctagaa ctgagactca cgaggctcgt 240
 atctgttgca actctcctgt cacatacatt cgtgagattc ataccagcat agatatatcc 300
 taccgaacat ataataaac cataatcata gacattcgaa tctacaccat agaattcaca 360
 caataacacg tgggttaatga gaggatagac aagatatgcc attaccacat acagtgtctc 420
 tgatagatca gtaacatctc tctctacctc actcctgctc actctccgtt gaagcatgcc 480
 ctcatcata caatacactc atatctccg 509

<210> 33824
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 33824

cgcgggtccg tgggcttgat catgatactt gggaacactc gaccgggatc ttagagcttt 60
 gcttatgaac ttgactatac atcagtaata cgcaagttt gacttgcaac tttaccacaa 120
 aacatagtga atccgatata tctttcctat atttagcggc cgtggaaaca tacagtgatg 180

aaggagaact cggtaatcct tctattataa ataatctttg ccccatgaa acagactttt 240
gacaattgat cttcataccc tgacgctcag acagaaattg cttacatact atccttcacc 300
aatcttactt gaacacacag tacctctcac agaatacgag atcatcatca aatccagata 360
agatgacaga taattggacc atgtgtggaa atatgaattg gttcgcaagc atcatccctt 420
ctaatatatt cctaatecat caagccgctc tcatgcaata agag 464

<210> 33825
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33825

cagatgatag tgatgacgta caagctctat tcgcatatct agaaagagcc cgactagtct 60
aagagaagnc aagtccataa cttaccaact gaatagagta tgatgaacta ttggactgta 120
atatggccac cgctgaagcc ttggaacgag aaaccattga cgcccgaaag gaagaacacg 180
tgcaagcaca cgtatgaggg gctatatatg gcaacagtag taagctcatg ctgctaagag 240
gagataggaa tcatcacggg tcacaggcat gatcttgacg gacgagctaa tggcttacct 300
taggtcgaaa tgaattctgt cccgacagct aagcgagact gaatggaata tgtgggccgt 360
catcgatgag tgctcagaga atctaaatct atcggcgact cacgagcaaa ggctacagga 420
tgagtacgcc gagaag 436

<210> 33826
<211> 419
<212> DNA
<213> Glycine max
<400> 33826

agcttagaaa agaattggaat atagtcaa atatttctcta ttaatggttt ctattcaagg 60
gacaacaaag gaaattcatt cgagtttcaa gacactgcaa catatatagt catgccgaac 120
atagtctcaa aagttacatt tcaatctgct aaaaaaaatc acatttcaag aagttcattt 180
tacgtggaat ttaaaaataa tgatattggt aggaaatggt ttaaggatac tagtttaaaa 240
aagttagcaa ataatttatt ttaaaaaaat taaaaattac acttagaagt acatgaatct 300
atgaaaaatg ttaaatTTTA ctctctgtct ctctctttat aaaatatttt tattttaoga 360

cacttagtat tatatattct cataagatta aaagtgcacc acgtcattta tcaatgaat 419

<210> 33827
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33827

ttgatatgga aattaagttg aaagtaaagg atggtatgta taggacatca atcaatgtaa 60
tgaatgcaga aagctgtact gtgcctgagt gggtagcatg aacaagggtg ccatttggtg 120
atctaaccgt gatgggggtta atttgatgat atgagtgaaa gtttggttaag gaggaggaaa 180
cgtgatcagt ggctcctgaa tctaatatcc aggaggtaga gtttgctttt tcgtaagata 240
gggttatacc tgttgcatcg ttactagagc aagatgaaat ggaagcgacc tgaggcttgg 300
tggatgctga gtttcctgca tatggctgtt gtattaaagc cagcaatgcc ttgtactgct 360
cangtgaana acgaaccaat tcttgagatt cttggcgctg tatttggtca tctgtggcct 420
ttccttctac ttgccactac gttgtagcta ttac 454

<210> 33828
<211> 396
<212> DNA
<213> Glycine max

<400> 33828

agctttccgt gagtgggtgtt ttattctata ccgcaactcc ggtgagagca tgccatcaaa 60
aggcaccatt gccatcgcca tgettaacgt ctcttcctt cccatcagaa gacacaatcc 120
aactaaacca acctatgcgt tttctcacac tcgattaaga ccattggaac tccaccctca 180
caatataaaa tattttatttc aaaccccaac aatccattca gtttcacaat aattttccca 240
ttggtttata atcattatca aattcaaaac actcccccat caactttcca cacatgcttg 300
attttagtac aaaaatgaaa aataaaaaat aaaaacatca gttacaggcg gttttaaaacc 360
cccataaatg taaaagtgac atgtgtcttt acctta 396

<210> 33829
<211> 467
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33829

actcagcttg ttcttttata aaatgagaag ttctggactc attattttat ctattaatct 60
 tgnngtggat ccaagtactc cgatcatcca tttgcatact cacgttntgg tggcatactc 120
 accgttgttt atttcttttag gaatttcac ataactaaga aaacaccaag gcacccctat 180
 aacactcgat ccagaaaaat ggataatgaa gagggcgtgc aggaacagat gaaggtcgat 240
 ctatcggcct taaaagatca aatggcttcc atctcggagg tcatgttaaa actccagaaa 300
 accatagagg ataaagccac cgcaaccgcc tccagtacag ttagggaagc ggagccggtg 360
 ctgcagcccg ccttgaatcc gggcctagac agaaacacgg ccatgttcgg tcgaaggat 420
 agtccgcaag cttatcctta tggcctccct ccggacttca cccccg 467

<210> 33830

<211> 165

<212> DNA

<213> Glycine max

<400> 33830

agcttctgtt ttgaattacg agtgtatcga tatattacgg gactcgatcg gacattcgag 60
 tcaaaagctc ttgctgatcg attatactca tagctcgagt tttcaatttc gagcatctcg 120
 atatactacg gcacacaatc ggatatccga gtcaaaagt attgt 165

<210> 33831

<211> 315

<212> DNA

<213> Glycine max

<400> 33831

ctgagcacat tcagacgaca ataactgttg actcggatgt ccgattgttt cccgtaacat 60
 atcgagatgc tcgtaattga aaacagaagc tctaagcata ttcagacgac aataactttt 120
 gactcgggtg tccgattgag tccggcgaat atcgctatgc tctaaaatga aaaatggagc 180
 tctgaaacaa atcaaaagac gattactttt taactggatg tccgattgaa tcccgtcaaa 240
 tatccagaca ctcttaaatg aaaatatgag ccttgaacaa attcgaaaca ctataacttg 300
 tgactcggat gtccg 315

<210> 33832
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 33832

agcttataat atatcgatac gctcgttaatt aaacatcgga aactcttgag aaattcaaatt 60
 ggtcttaact cttcacacgg atgttcgatt ctggcgcata atatgtcgag aggctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa atgggcataa cttttcacac ggatgttaga 180
 ttaaggcgca ttacatatag agacactcga taatgaacaa cggaagctct tacgaaatta 240
 aaatggtaat aactttttcac actgaggtcc gattcatgct tataatatat tgatacgctc 300
 gaaactaaca tcggaagctc tccagacatt caaatgggtca taaatcttca cacggat 357

<210> 33833
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 33833

tgaatcggac acccgtgtga aaagttatga accatttggt atttcacggt atgctttggt 60
 gttcaatttc gagtgtcact atatgtgatg cgccaaaatt ggacattcga gttaaatggt 120
 atgaccattt gaattactca agtgcttccg ttgttcaatt ctgagcgtgt cgttatgtga 180
 ttctcctgaa tcggacatcc gtgtgaaaat ttatgaccat ttgaatttct caagagcttt 240
 tgatgttcaa tttcgagcct ctcgacatat tatgcgcccg aataagacat ccgtgtgaaa 300
 agttatgacc attttaattt ctcgagagct ttcgatgttt aatttcgagc gtatcaatat 360
 attataaggc tgaatcggac ctcggtgtga aaagctatga ccatcttaatt ttcagagag 420
 cttccatggt tcattttcga gcgtctctat atg 453

<210> 33834
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33834

gttttctaag acggtgtggt tttatccgtc gttgaaagtt aacactctcc aacgatgtta 60
gctcctacg aacggcggn gaccgtcttt gtatgtgggt tacgaccctc gaagacaacc 120
atTTTTtag cagtggctca tcagtcacct ttgattcctt ttcttaaaac aggtaactcg 180
gctaagctat gcaaacaatt agtagcctat tcaagggact caggctttct ctgtaatgaa 240
tcacggtttg agaatcttta tgagtgggtg taataaaata ctgataaaca ttgattaata 300
ctttgtgtat gcatgataga gcgggtttacg gaagttgaca ccccacgcta ttcactacta 360
cttctctgca atctacatac ttaaaaataa aaaccatctt taaatagtta ttctcagcc 419

<210> 33835
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33835

actaagctaa caggccctta taggctgaaa caagcaccaa ggtagtggtt tgaccgacta 60
anaattactt tgattcagtt tgggtttcaa gctagcaagt gtgatccatc cttgttcata 120
tataagcgtc aagctcacac tatttttctt ctagtatatg tggatgatat tatcttcacc 180
gacagctcat cttctctcat ccaacagatt acaactcaac ttcattttgc attctctctt 240
anacagctag gtcaattgga ctatttcttg ggtattgaga tcaagtatct acttgatagg 300
tctctttctca tgactcanag caagtacatt agagacctcc ttcacaggac tcacatggct 360
gaagttcatt ctatttcttc tcttatgacc tcttcttgca aactgtctan aactggtggt 420
gaattatttc angatcctac tctctacaga tct 453

<210> 33836
<211> 480
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33836

ncgcgcgtgt cctgacatca cgactaaggg atncagctgg gaccgcgtga actctanagg 60
cgagctgagg cctgttagct tgtaggatta tgggtgtacc acgacatgag gaactacgtg 120
gaccgcgggc gacggcgag aacatgattc cagcttccat aactgcgac atatctcgcc 180

atgccgagca gtaccctcca agtgacgtta cgtctgctaa cgaagaccat attatcggac 240
gtctactcac cgggtaccta taaatacttg caacogtacc gaaatgcact gacgctactc 300
attcacacaa cgtatactat catagcccat agcacagggc acaggcacac cattatggtc 360
atggcaccat cgaaaatgac agcttctaca cttagagacc ccagttacaa ttacttctat 420
cttaccaccc cacgatgata gactcgatac gatactggag ccttagtaat atcatgaccg 480

<210> 33837
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33837

ctaagcttct gggcctttct gcaagcttac attggttagt tagntntacc aagaaatgct 60
actcttaaaa caaaaatggc atacaacctc ctccaataaa cacaacatc aatgtaaatt 120
tagagcaaac ttatgcatat acttctttac gaacgttcac ttgcacaaga cattcttata 180
actaagaaaa atgcacccat gtacaatcaa ggcaccttcg ttacctagat tatttatatg 240
tacttccaag gtgtatttgc tacctacatc acatgcactt ccttggctaa atttacatac 300
atgcatactc aaagcatttg gggtagcaaa aattgcacat gtgcacattc cggtatttct 360
aatacttatg catatacaaa ctttgtgatg aatcttggct atctacacaa taagggtgcta 420
catttcataa attattcaag tgtttt 446

<210> 33838
<211> 392
<212> DNA
<213> Glycine max

<400> 33838

agctttaacc tttggtttta cacttcatat ccttgcaagc aaaagcttga aagataaata 60
ttgctaattt ctgctagagt ttgtctaaat ttctccaat tagatgatca ttccagatcc 120
aactcagtat gagtatagtt aaatgcecaa attgcagtcc cattctgtgt cacttttata 180
atgaacgcat tctgtgtcac ttttataatg aacgcattct gcctaattgc aatacagtac 240
aagagaattt atttgtttca taaacaaaga actggacgac aggtagaaaa ttatgattca 300
attcagaaat ccattgcaag acaatagcct tgagattgaa gagcttcagc atctgctaca 360

tgtctatatg actaacgacc caaaacagtt ac

392

<210> 33839
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33839

tcttgaacgt gatcaatata tttattgtca cagaatatat gatgaagatg tggttcgtga 60
 tatcttttgg tgtcaccctg attcagtga gttagtcaac gcatgtaatt tgggtgttttt 120
 gatagacagc acctacaaaa caaacggta tagactccca ttgctcgatt ntgttgggggt 180
 gacaccgact gggatgacat tctctgccgg ttttgcataat gtggagggtg aacgcgttaa 240
 taattntgta tgggctttac aacgcttctg aggccttttt ttaaagcgtg atgccctccc 300
 tggagttatt gtcactgata gagaccaagc attgatgaat gtagtgaaag atgtattcct 360
 tgaatgcaca aatttggtgt gcatctttca cataaacaag aatgtgaagg ccaaattgtan 420
 atcactaatt 430

<210> 33840
 <211> 257
 <212> DNA
 <213> Glycine max
 <400> 33840

tagctgttct tcatggttgg catttgccgc aacctaacgt aaaaaatgct cttctccacc 60
 gtgagcttaa tgaggaggta tacaagcaac ttccctcacg gctctcggtt gataatcctt 120
 accaggtatg cacgctgcaa cgttccttat acggtctcac acaagctacc cgacaatggt 180
 tcactcgtct ctacttattt attgtttctc atggctatca caaagcctcc gctgatcatt 240
 ccctcttctt aagcttc 257

<210> 33841
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33841

taggttatgg atcactgtat ggtttccttg aacctctgtc tatacacaac gtanagaaca 60
aacgtgaaga atgtcaacat tacattcaaa catgggtcac agaalcacaa cgagaagtgt 120
acttgggagc ttacctgaat caataagttg aattgatgtt gtacaatatg gatattatgt 180
gcattattgt tgcctaacta atgtttttcg tcttcagggc acattggcaa cttgttggtc 240
tgtgtccacg ggacaatatt gttgtttggt tttgttcttt gcataagaag cttgatgtta 300
acatcaagac tgcagtgaac aagttagttt taacattata agtcaattat tgtatagaaa 360
ttgtagcgta taaacacaat gattatntga ttatatatgt taagttattt ntaaactagt 420
gcaatgaaga cattaaccac tactt 445

<210> 33842
<211> 168
<212> DNA
<213> Glycine max

<400> 33842

cacgtgtgcg cgatatgtga agacgatgct ccacgtactt atgatttggt ccgaccatgc 60
ccttctgatc acgagctggg acattggcgc agggacgaat gcccggcat ttacgccatc 120
acgcataatg taaaccttta cggctttaac agctctatag ttgggcct 168

<210> 33843
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33843

tgctcttaag atacttcttc cattntaaac ccttctgtac aaattgatgg actaaattac 60
tacaaagtag ccaaattacc aaaacattat actagcatta aataacacaa ttagagtcaa 120
aacaacctc taagtctaataaaaagataag gaaagtgtct taattggtac cttanaagta 180
tgtgtatttg gcacttaaca gtttaccaca tgtctaagaa attgaacttg ttgaggcaaa 240
atttgcattt tgagatctta gcattgagtt tcctctcctt caagatttgt agtagaatct 300
tcaagtgttt ggcagtgttc tcttgacttc taaatcatgc tagaatgtcg acgatgaana 360
ctgtaacaac cctaacaaaa attacaactt aagctattag aagaaactct gtgttggtgc 420

atttgtgctt gtatgtactt aatt

444

<210> 33844
<211> 282
<212> DNA
<213> Glycine max

<400> 33844

agctttatatt agccagaatc cctgattact ttcggcttgc agaagatgga ttgacactcc 60
aggttagaag aggtatcacc ttcatatgac ttatcacact ctacaaactg aaacgggttgc 120
tgcttgtcac acaataacag ataccgaaaa tgcactgacg ttacttcact aaaaaatggc 180
acacgtggga gactgaactg tgggatgcta cctctactat acacgacca gtatcatgtg 240
atgtgagcga agagtatgca cctacactat ctaactcaca cc 282

<210> 33845
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33845

tccagaggct acccttcccc ctttgggtgcc actgttttat acgttgggggt caatttcgcc 60
atttcctctc tcaacgcact ttccgccact ctctgtttct ttactctctc tgatttccag 120
aatgtgagtc agttactcct ctcttcattt cccaatccg gatattcacg ttaaaatagc 180
agctaaacta attctaggta aataagtgtt ctcgtgtctg gtttctaatt ccggaattga 240
ttctagggtcc aaaattgaaa taaactttta gcatgttttt gcgttgaatg aaaattttta 300
aaccgaacaa acatgtgact ntacttcaaa atcaattnta cttcaattca attntgcaaa 360
cgatcactca attacacact anaacttctg annacgtaac tcagtggtag tttgtgggtg 420
ttga 424

<210> 33846
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33846

gcgcgcncctg ngtgtggcnt ctgaaccctg gaactccant cggacccgcg aactctaaac 60
 ngacctgacg cattttcctt taaccttttt tctacactgt atatngttgc aagcagaagc 120
 ttgacacata tatatcgctc acctgtgtta cagcccgctc acactccttt caattgcatg 180
 atcattccag atccaactca ctatgagtat agctaccgcc cagattggag tcccatctct 240
 gcgccacttt tataatgaac ccactctgtg cactttttatc atgaacgcat tctgcctaata 300
 gccatacag tacaccagaa cttattcggt ccataaacac agaactggac gacaggtcca 360
 aaatcatgat cacatctcaa ttcattgcag cacctagcct tgacatcgat cagtctcaca 420
 tctgctacat gctcatatga ctacgcaca ccaaccagta ctgggtttct agcacaccg 479

<210> 33847
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33847

tttgttntca atttcgacca tctcgatata ttaccgttct catccggact tccgtgtata 60
 aacttattgt caattcaatt ttctccgagc tttggatcaa aattttgagc gtattgatata 120
 attacgggac tcattcagac atccgagtaa aaaattattg tcgttagaat ttgatacgag 180
 cttccgtttt caatttgagc catctctcgc taaattgcga cagtctgtcg ggcatccaag 240
 aaaaaattta ttgtcgtttc atatttctaa gagtttccgt tttcaatttg gagtgtctcg 300
 atatattacg ggactcaacc ggacatccgt gtataaagtt attgtcatth caatttgctc 360
 agagcttcta gtctcaatat tgagcgtctc aatatattac ccgattcaat cggacatgcg 420
 agtaaaaagt tattgt 436

<210> 33848
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 33848

agcttctgtt tttaatcggc ctataaaaga tatatattga tgacagtaca agaagtaccc 60
 ctgccctgtt acaaaaagggt ccctacagaa tattccacac agtttaata gcaaaaatac 120
 atgacggaaa catataaaaa cagaaatagt aatgttgtat ggtgtttccc agcacaactg 180

aagttaagat acacaatatt atatgctccc taaatccgga caatgcacga aactacccca 240
 acatgttcct cgtgaattca ttcccttttg cttcatctcc caaaaattcc aaccaacca 300
 caaatgacaa ctttctgaaa tttatcttgt aaagccaacc accccaatat ttcgcccacg 360
 tagcaatata tcatctcagt tgagtcattc 390

<210> 33849
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33849

tggacgtaca ccgatatttg gtgttttttg aggttggtat atggaatcta acttagaaga 60
 cgccaaaatc cactcaaaa ccatgcaatt cgacggaact gaagttggtg agtattctag 120
 aacttggtca gcagaatgat gcaagataca aacaccgata ttgaatatat catttttggc 180
 catattacat tatgcacttg aaaacaaaat gaaaagtaaa agactgggta aaataaatgt 240
 gaactttttt ctacgtatta tgatggtaat ttctcaccta tatccacatt ggagttatcc 300
 gtgcgtntca aagttaaccg aacacataag atatgttgaa gaccaataat tactaacttt 360
 attatgataa tactaccatt gagaataaaa gaaattatct ttttaaaga caaggcagac 420
 gaataactttt g 431

<210> 33850
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 33850

agctttatga ttatgaacca cgcaattttg atgatgccaa aagcccaagt aattgattca 60
 agacttcaag atcaagcatc aagaatccaa tccaagattc aagagaagaa atcaagaagc 120
 aaaaagtcac gacttcatat agtataagta ttaaagatt ttttttttca caaaccaaat 180
 agcacagtct tgttttacac aagaattttc tcaaattttc taagttacca gagtggttac 240
 tctctggtaa tcgattacca gttggcagta atcgattacc agtgaccagt ttgggtttca 300
 aatgttttca aatggcttac aatgttccaa actaattctc acatagtgtg atcgattaca 360

ctatatattagt aatcaattac aagtgaatth gaacgttgga attcaaatcc a 411

<210> 33851
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33851

ctcagctttc gtcttacgaa tgcaacaagt tatacggatt ctctcgggtt tttccgcccg 60
 tcagcgtgac tcaaaagtca gtatgacaga tcttgtagagc gcggaagata acgtaaatct 120
 ccacgtgtca acgggcttgt cagccgtgat tgacgaaggc gcgagaagac gacgttagtc 180
 tctgcgtgct atcaggcttt tcgtcataca gacaacaaaa agtttatacg gataaccact 240
 cgggtatttc cgcccgtcag cgtgactcan aagtcagtat gacagatctt gtgagcgcgg 300
 aagatgacgt aaatctccgc atgtcaacgg gcttgtc 337

<210> 33852
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33852

nttcgcanag cttacggtaa aatctgggac ctagccttgt tagaagtctt cacatatgcc 60
 atttctctcc tcgcccagta ttatgatcag ccgttgaggt gcttcacctt tggggacttc 120
 gagctatcac ccatggtcga agaatttgaa gagatcctag gatgtcctct agggggaagg 180
 agaccatacc tcttctcagg gttctatccc tcattagcta gaatttccaa gatagtccaa 240
 atctcggcgc aggaattaga ccacaggaag caagtcaa atggcgtggg tggaataaccg 300
 agataaatatt tggaggcaaa agcaagaatc ttgacaagta aagggtgaatg ggccctcgttc 360
 atagacgttc tcgcactggt gatcttcgga ggaggtctct ttccaaatgt ggatggggtg 420
 gtggacctag cagcaatcga c 441

<210> 33853
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 33853

cttcctaagc tgcaactttt caagcatgag tattagtcgc tcgtatacat actgaaatat 60
 ctggaataac tcttccgtga aagggtcacc acctgccttg aaattcttaa atcctcgcaa 120
 tgccctcgca tagcgattgt ctctgatcc tgattcttcc tcaaactgat gaacacatac 180
 atgaacaaac aattggctgt cgcgagcgcg ctttacgcac ttctccaata cactgcacac 240
 ctccaaagtt ttcaaactat tctcaaagta ttctcaacc agttcaaaca gtctcctggc 300
 tcttccaaat gtcttttttg cagcccaaga ttaccttgac aacttctctg tcactctccag 360
 aaagcatttg agattcggtt acagatcgaa gaaagggtcg acttcaac 408

<210> 33854

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33854

ncgcgcgggt cgggtgaggc ttatgacntc ctgcaanant caaggggaatc tagatagtag 60
 gccgggatgc tttcgagcct tcttgcgta tgcaagcttt aacaatggac gagatatgga 120
 tggctgagtc ccttgagat atcaccaaaa acaactttgc agctgaaaat aaaagatgtg 180
 agatcaacgg ggcaacaagt cgatgctcta taccctgtgg actccctact accctaaacc 240
 tcttgccctg ggtggcacgg cgtcaacata gaacaacaga gacacctgat ctccaatcct 300
 tacattaact ccacgaacga tggttggtgtg ggacaagcta tcccacattc ctcaaataaa 360
 ccacatgctc cccatttcat gcaccgggac acctctatgc tgcaaacactg catatgaact 420
 ctataccgtc aatctgccat atcatattcg cacacatgct ctatggctca cgaccgagcc 480
 ttctggccat ccgctcgccg 500

<210> 33855

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33855

ctacatcaca tgctgcantt cggaatcagc tcttccaatt aagaacgtta tgcactcccc 60

gcaccgcgca tcttggcgat cgtggcgcaa ctgaccgcat tgtgctcctt caacggtacc 120
aagatgttat tccggtttcac catcgactct gtcatatcac caataatgct cttatcttcc 180
ttagccagtc gcccggcgta tggatgtcca actaacgact tcnccatttc atgattgtga 240
atgcacagat caactggagc atccaagctt tcccttcatg cactgggttc ccacgaagtc 300
tgaacgcaca accacattct ctactacggt gtcttttcta acgaattctt tatttccaca 360
c 361

<210> 33856
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33856

gcgctgccga tganactgag ancnatcgaa gagcataneg agaatcccag ctcgggatcc 60
gcggatactt tagagtcgac ctgaggcctt cagtctatca caacgggaat ggtaaagtac 120
tagctgaggc tgatattaac acggtggcca tgtgttcttc tgcaagaaga aaggacacgt 180
gaaacagaac tgccctggct tcccacagct ggcctcacca cgacaggtaa actcactctc 240
atcactctgc tatgaacctt ccacgggtag tgtaatatc aacacctacc tgattgatcc 300
tgcatctccc atccatattg caccctctt acagggcac gaaaccatac cgaacccatc 360
gcgaactgac aacaccattc tatcacgcaa taacctattg ctacattgtg gaggccatta 420
gaactcgctc ctgactttcc tcagcgctct atattcccct agatacgact ctttatgttc 480
aactctctcc ccactccc 498

<210> 33857
<211> 438
<212> DNA
<213> Glycine max
<400> 33857

cggcctggtc tgacctatat aaacaattgg ctacgctttt gctcccccaa aaggcgatta 60
aattaggtac gttaagcttc cgcataataa aaagtcttat aagcctgata ggccgacctt 120
tatatatata tatatatata tatatatata ctatatatat acatatatat acatatatac 180
tatcttgtgg gcgccataaa tattcatctt gaaaaacact cgcacaccac atccctataa 240

tcaaccaaag gtctacttac actgogtgca ccttctctca tctatcgacc tacccttttg 300
 ctgtaagaca tccttctaca tacaactatg cgcgctctat ttctataacg tacattgtcc 360
 cgcagagaaa taactcctcc tctcccgteg tatcttgccc gtcccatgac aaacacggct 420
 ttctatgcat ctcacccc 438

<210> 33858
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 33858
 tcacgcttat actaatttat cctaccatgc tcagactgac cggcggactg aacggaccat 60
 tcacccgctg gacgaccttt tgagggcatg tgtcttaaag cacaagggca gtcggcacag 120
 tcttttgacg ttgatagagt ccacttataa cagtagctct cctctacca ttagcatggc 180
 tccctatgaa gctctgcatg gtacaacgtg ttgcacaccc ctatgtctgc tatagcccg 240
 agaagacact caccacgcc ctgcactggg gcacaccac ac 282

<210> 33859
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 33859
 agtgcacaat atcatctcta atatttctat gaagagtttt tattttaaaa tccttgctta 60
 gcaacattca cttttttgcc cgaactagca cagaatatgc ctagtattta cttaatagca 120
 tcaatctgct ctaagtttgt tctgcacaa catagaaaat catttgcaaa ggcaaggtaa 180
 gaattttttg gaccaccttt agatgattca ataggcttcc aaattttctg ctccactaca 240
 tcattaatca attgaaataa tctctcaatg caaagaacaa atagatatatac agagatagga 300
 tcctctatca cactcctcta acatgaatga atttttcaag agcttctcca ttccacatca 360
 cctg 364

<210> 33860
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33860

actcaagctt gcaatctcct ctggacactc cacataacca gtagtaaaat aatgccaaat 60
atgagctntt ttttagctta agaaaatcta gcttgacaat agtagaataa taccatacaa 120
aaacacaaac taacaaaata taattaaacc ctttctccat tgtctgatct aagcatttca 180
ccttgtgcaa canaggtgct acaaggtact aaaatcagac aacagaaaag cataccttga 240
tccttgtcac atttgcttaa acatatcaaa atgttgatgc cattctttnt ctgacatcaa 300
gatttcagcc cttggagttg ttctcccact tgcttttaaat ttctcattaa caagtaacgt 360
ggagaattca caccanacag ctttcacttt aatgcagaag gaanaccaat caactctcaa 420
gcatcacat 429

<210> 33861
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33861

gccgcccggt gagcttgana ctgagacttg anaacccaaa actaagcggc ctatgaggac 60
tacacagatt taccocgttt acttttttcg agagacgacc acgaccgtca cgtcatgacg 120
agtgacatac cacaacgcca actctcttta cgctgtagct atatgccacg taccatcca 180
ttatctagtg aatactaggt atggcctacc actgttctac tatacaatgt gaaattctag 240
ccgtctacta attcaatatg gaaacacata caacattctt accttgcaat caccgatgat 300
gaatcacatt cggggacact tatatctcat ctaagtgtgc actcataact catatcaacg 360
aaagcgcaga aactacatat tgtgcccttt ccatgaccct acgacgtgcg ataccagatt 420
atattacgcg gactatactg accg 444

<210> 33862
<211> 154
<212> DNA
<213> Glycine max

<400> 33862

tttcatgcaa gcttttttga gtaaaaacat gggaccaact cattttattt caaaaccgaa 60

gtcgtatcta gtccatgtct gagagaccat acaacgttcc taacgatctc taattatgtg 120
ggccattaag tctatcatac gctgacaata gccg 154

<210> 33863
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33863

tctcaaggag gtgagcttag ttatgatatg ggtgtgtgta gctaagctct agcttctcaa 60
ggaagttttc tcaaagaagt ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttggtgt aactttgatg aatgagagtc 180
ttgtgagaca aaactcaaag ttcaacttct ctcccttttt cttccttcaa tttcgtgctc 240
ccccctatct ctttctctcc cactttcttt tcctccattg aagcatcctc tccaaggctc 300
atcttggtgg tgaagctcat tcttccatgg cttattcctt agtagatggc gcctcctctc 360
acctcttctc ctttgtcttc cactgcatct ccatgggtgga aaatcaccat taaaggacct 420
cattanagct canagatccc agcctcata 449

<210> 33864
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33864

ctataaaaact cagcttntat agctttgtta acctatcatt taattataat ttttattaat 60
gcaatcaatc taaagcaaaa gaaaaaaaat gcaatcaatc gtttcaaaa ttcttaatag 120
aaattttaat caattgtcaa gctatttaag caactatcta ttattaaaca catatattaa 180
atattataac atatatannt ttgcatactt aaacgttggg ttatcttggt taattttcaa 240
acctgatatc agtgtaaaaa atttctaatt attaatgcaa agtctattct ttttctcata 300
totataattc tagttcttaa tattctgttt atctaaatct ttaatttcaa aatattttat 360
ctaaagggtc ctttaatggt gaaattgaac gaatagaaaa taaaaacttt aactgtaaat 420
aatctattca caaatgattt tcttatata 449

<210> 33865
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33865

taacaaactt agaaatcaag tgatcatgta ttccgattat aggggggagan aacggatgca 60
 cattntatct atatacaatt gtttgttgct tgaatcttga tttcaggtat tgtattgtca 120
 tcatcaaaaa ggggggagatt gtagatgcaa ttggctttga tgttttgatg atgatcatga 180
 tgatgtgttg caattgatgc aaatgggctt ttcaagatta aaattcaaga caatacttca 240
 agattacaag tcacaacatc aagatgatca ctagaatatt aggaagggaa ttcctaattg 300
 aattagcaaa ggtttggcca agtgatttaa aataaaaagt gtttttcaaa gcttttactc 360
 tctggtaatc gattaccaga ggatgtaatc gattaccagt ggccaaatac gttttataac 420
 agcta 425

<210> 33866
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33866

agcttcaata agcaggaaaa ttggactaaa tctntcaagt acactctttg caatttgaaa 60
 tgggccctct attggtttgt tggaaatact aacttcagc ccctttcagc aatggatatct 120
 tcgcatgctg aagtgcctgc tgtacggtct ctgtacacga agcgtggtgt cgatgccaaa 180
 tctgaatctc gaaattgaac ctactaatca tatgctaggt taggctacat agttaggcca 240
 catacaaatg tgtacataga actacatagt caaaattggt actcgatcaa attgaaaagg 300
 atgttataag ggtctctctc aatttgaaga caaaaagggt gctgatttgt accactaatt 360
 ggattgaaat ttacagcatt ctcttaataa gaaatcaciaa tttgatgt 408

<210> 33867
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33867

tgatcaaaac anaatctata cattccaatc cacttaattc atacaatttc tcattcaaat 60
caatcacaac acttcattct atacaaaatc aaaccactga atcatattca aatagttcac 120
tattcaatca tgcttttgta caagctacta ctacaaacaa aataactgaa atttaaaaga 180
ctaaaattta aagactgaaa ttanataac taaaacataa acataaaata aactaaaata 240
gaataataat aaactgttca aaatgcaaga caagaagata aagatcctgt caatccacct 300
gtggatgatc ctctgcatgc tcgttcaa at ccaacaccgg agcagctggt ggatcctatg 360
aaatgggctg cttttgctcc aatgctggtg cagatggctg gtaatcatca gtaattggtg 420
ctggagagac aggaactaca gct 443

<210> 33868
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33868

agcttgcccc ttgatgacgg tttcttgtgg acgaaggcat gcacgtattg tttcatcatg 60
cgatcncaaa cttccgttgc tccatctggt tgtggatgat aagctgagct catccgcaat 120
ttcatgtcgc tcctctgaaa caggtcttgc cagacaattg cttatgaata atgggtctct 180
gtcggagatc aagctgcgtg gcatgccatg acactctctg acgatgtcca tgaacaggat 240
gacgactgac taacctgagt gctgagctgg cagcatgcct acgtgtatgc ctcttgaacc 300
tcgatctact acacacaata tggcagtatt tctgtgaatc 340

<210> 33869
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33869

ttccatacct tgagggaact caactcatct aagattctat ataaagggtc tntatgacta 60
gtacccttgc cattaacact agatgaatga tgactcatgt tgcttcctaa gttgtgggtc 120

tttcttggtg gaggtttgaa aacaaaaggt aaaagaaact atggttgaaa ctagccaaat 180
aaacactaaa agaggtgtga aagataaggt aaaaaactaa ttggtaaaag gaaagctatc 240
tangcggttt gacaatggaa ggtaaaggaa ataagctatg aaagtaagca agacatgtaa 300
actaggcgaa tcctaagagt gtttggatga ccacattcaa ggttcccaac anaacactca 360
ctatcctaag gaaaaattgc ctaaaattat tacacacaaa tggaagtgtg gtaacctatt 420
ggaggctccc aacacacttt caatgaaagg cctt 454

<210> 33870
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33870

nttgatttca atctgaagca tctcgatata ttacagtgtt tcagtcggac atccttttan 60
aaatttattg ctgtttgaac tttctaggag tttctgtttt caatttctag tgtctcgata 120
tattatggga ctcaatcgga gatcctagtt aaaagttatt gtgatttgct tatgaaacga 180
gctttcggtt tcaatttcga gcgtctcgat atatgacggg actcaatcgg acatccgagt 240
aaaaaagtta ttgtcgtttg aattntatac gagcttccgt tgtcaatttg gagcatctcg 300
atatattacc ggactcaatc agacatccga gataaaagt acagcggttt gaatttgcta 360
cgagccatcc gtttcaattt cgagcgtctc gatatattat ttgactcact cagaaatttg 420
agtaaaatgt tattgtcggt cgaatctgat ac 452

<210> 33871
<211> 268
<212> DNA
<213> Glycine max
<400> 33871

cgcttgtagc tgtattcgtc tattcattgt gtcgcacacc gaatatctgt ggtctctggt 60
tacctgcgca catctcaatt ccttattgtg aatcttttcc atttgctagc tatcataatg 120
gtaactcgta cgcgaaatatt caaacaacga tacctgcata ccccttttac tctattttac 180
tatcaattat atcacatggt atagttacag aattaacatg aattgcgtct aagaaaaata 240
actaatttct caccacaacac catatcta 268

cctccaaatg cgcgcttagt acacatgcac agtacaactg acttctagtt tggcctctca 120
 tgctgagtac actcctccaa ttcttcatgc atttttttga tgatgtacta atactctata 180
 aaataaaacc aaacagtata aatttactca ctttagcatt ctgaaactaa aaacctaata 240
 ttttatcttt ttagataaaa aaaaacatta aaagaattag ataattacta tataatttaa 300
 atgcacaaac taaatatgga taacaattat caaattaata gtaaaaaagg ttcaataaat 360
 gacataatag ggatggcgaa ggggtacaca aagtcacacg gaaagatggt ctgagatgat 420
 tatatttttc aacaagactn tgcttttgaa t 451

<210> 33875
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 33875
 ttaagcttta agcaagttgc ttcacaaata atcatcacac agtatgcaac tagcaaagcc 60
 acccatcatt atgtccgaag cacctatacg catgaaattt atgagagaaa gaagtccacc 120
 caaacctgaa ttgtcgaagt ccagtcgta tgcacgcact tcatgacccc gaagatgctc 180
 tccttttcgag atttggggca gaaatgatgg ccaacggctg aagctttgtg tggagggttc 240
 atggagactg aagaataaga gaacgacacc gtgaggggaca gagagggctg tctgaaatga 300
 ctg 303

<210> 33876
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33876

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 agtgtgcagg tagtttctaa catttggttac ttatttttat ttgtagaaca agttgaaaat 120
 accatgcatt tcatataaag atggggcatg aactanaaga aacaactggc atcaaggatc 180
 aagctggact tcaacacagt gttgtgattg ttgtggaggt cgacaatgga aaaggcaaac 240
 tgagagccta ctttggcgat gaaattatgt ttattattaa tgagtaccac acttatcaaa 300

agaattattt tcattctgac actatcataa cgggaacttc tgtgtgcata ttgaaacaat 180
gagtcctgga tactcgtttt atcttatatt actatcagtt atatcacatg ttatagtgac 240
agcgctcgca tgacgtgcgt ctaacaaaaa tacctactta ctcaccatac actatatcta 300
taggaaacct tacctgagaa gacaatagct tcaagatgat cagctatatg aatgtaata 359

<210> 33880
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33880

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ttaatcacia aatcatattc tataccttca cattaatcac atgttcataa cacaacatct 120
caagtacaac acaacatctc tcacacacia ttcattaccc accatcacat agcaagtcac 180
aatgatcatt acacagacgt tatgcaacat atatactaag actcaatcct atattgaatg 240
tggtatctta tcagtgaata ataacgctag ggcacctagg attacataat aaaatacacc 300
acacaatggg taagcaggtc actcttatta aaagacatca taaggatgat aattacgggt 360
attctgttta gcgtgaatgc tctaaccata tgagatcaac atagatntaa aggagcactc 420
acatcgagt 429

<210> 33881
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33881

agctttacta tcacaagcac atacacacat tactccatta atgcatcaca cgataactcta 60
tttgaaaatg gatctttcac tctgtacctg caaggactgc tgacccttcc acctgatagt 120
tcattgaatc aattgacaca atatatcata agacataagt ctcaaagttc ataaatagag 180
agagccacac ggtcaaaaata agcacactaa ccatgactgc agaaacaaat attgaaatac 240
ataatatacc actattatgt gtagcgcac tcttcaattc ttgtacctaa aactcgattn 300
tcttggttaac cacacgcaa aagaccacca aaacgagact tgtcaaccac ttgagagcct 360

aactgaactt gcttagatta taattctgct cttacgaact tacaatgcta t 411

<210> 33882
 <211> 453
 <212> DNA
 <213> Glycine max
 <400> 33882

ttgatgggtgt caagaagaaa tcacatgttt gtcacatcatca aaattgggaa gaatgtgaat 60
 gtatgtatac atgattttga tgatgtcaaa gaagaatcta acaaggctgc ttcaaaggat 120
 aagcatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180
 tcactaaaga ccaagccttg ccttataaca aagtgtttc aagacatgca aggctctggt 240
 aatcgattac caggaagtgt aatcgattac cagaggacag ggttgagaaa tagttgttga 300
 aaaaggtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
 accaacaacg gaactttgga aattcaaatt caaaagtcac aacccttcaa attataattg 420
 tgtaatcgat tacacaaaca ttgtaatcga tta 453

<210> 33883
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 33883

gggccaatca tagggtgcta cactactata gccacacttg gcgaatgaac tctccgacag 60
 gatacagatg tggggccgaa aattctgcc aagtgacaat gatgttctcc gtagtcaccc 120
 acatctctca tagacctcac aggaatatat cataatatga tgctctatgc tgactatgca 180
 tatcatgtca taaatgacat tctgcagggt aggaccggag acctttacat catgacttta 240
 acagtccaga catctatcta ggatatgatt cagagtgact atcaatatat cagtcgcatg 300
 aactagatt accttctggt gcaatgctgg acctatggca cgacgtctac ctcgccatat 360
 ttcaccatct gctgagatga gcccg 385

<210> 33884
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33884

tttgagtnt catttaatgt cttanaaaaa gaaatattgn gcaccataga aaggatattt 60
tttggtgttg tcaaaatata agtttattaa aaaaaaaac tcttgactct acaatagaaa 120
attcccatga atagccatct ctcaagaaga ttgatgggtt cgacttttgc ctcccttaat 180
tntttttaga tttaaatatg tttttgttct ctcaaatttg ggtcactttt atttttgagg 240
aactaaaaat agaatttttt gaaattgaag aactaaaaat atttttaaatt tttggaccaa 300
aataaaataa ctaanatttg agagacaaaa aatatattta agttttttta ttctataatt 360
taaatagttg gtttaattca tataaagaga aaacaattca tttatattct ctctaa 416

<210> 33885
<211> 182
<212> DNA
<213> Glycine max

<400> 33885
agcttgccga tcgtctgtct tagttgaata ggtgtattac tgatatttgg tggacggatc 60
attaaccaag ggagacgtct ctaatgcagc agatttcgac gctggcaata tatgttcact 120
tggcgtaaga attagcaagt gatgaatgat ttacttgtgg atgaacgtgg ccacagaccc 180
ct 182

<210> 33886
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33886

actcaacttg gaatcgatac accccttnta atcgattaca tttgccatct caacctcctg 60
accctatttt taggcctggg aatcgattac acacccttgg taatcgatta ccagagacca 120
ccttaacttc ctgtcttcat ttttaagcct tgtaatcgat tacacaccct tggtaatcga 180
ttaccagagg ccatattcca aatatcactc aagatccata gctggccagc caccacacaa 240
gcctccttgc tttgtgggtct ttgttctttt atcggttgac tgccaggagc tctcctgttt 300
aagtaactca tangttctca ctgaatgact atgcccaggt tgggtcggga ttggtcaagc 360

ttggttntgg gcaatagcac cccacctggc atccncaagg tctcctggcc cccacgacat 420
atctccaggt accactct 438

<210> 33887
<211> 409
<212> DNA
<213> Glycine max
<400> 33887

agcttggttac cgatgagggtt gttgacttct tgcgtggaaa gaagggttgac ctcaatttgc 60
tggagaactt gaagagcact ctgagagtgg ctggagggtg gcttgatgat gctgagaaga 120
aacaaccaa actctccagt gtcaaccagt ggctcattga gctcaaggat gttctttatg 180
atgccgatga catgctggat gaaatttcca ccaaagctgc aactcacaag aaggtacgta 240
aagtgttttc tcgctttacc aataggaaaa tggccagtaa gttggaaaaa gtagttggga 300
aattagataa agttctagaa ggcataaggg gtcttccttt gcaagtgatg gcacgggaga 360
gcaacgagcc atggaatgct ctgccaaaca catctctgga agatggata 409

<210> 33888
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33888

tatggattct tcgagggtgac ctctaagttg tcgcatgttt tcacgggcaa tcgttacccc 60
tgaagcacca ttatggattc gtttcttggt cttcgtatc tagttcattt cttcgaggca 120
aatcgtaaac attctagggt gtggaaatcg caaaccgta agctttttgc ctgctcgtcg 180
tctagttggt ttttagaagc agaagtgtcg ttctgtttgg gtgtcaaagg tgggtggttaa 240
aaaacatggc tgtcgcctga aacatgtcat cgtcagcgtc gttcccatgg aaagaagttc 300
ctcatcgtac accttagagc cccgaagtcg cgtgatgtgt ttgtgtaacg tagagactcc 360
attggtgaca tcgtggatng aggataatcc acganagctt tntatggttg tggtaaatat 420
aaggtaagga ataatgtata tcgtgggtta tgt 453

<210> 33889

<211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33889

agcttgtgac ttttctaang tctaacgaaa gggaaacagg accaaccaaa ggctctaaga 60
 acgttataat ctggattcctt gttgacaaaag acagtagtat aggggaacatt acaatgcaca 120
 gaagcagtag gcaatctatc tatcaagtag gctgctgtag tgaaggcaaa atccccaac 180
 ttgagaggca gtgaagcttg ttttaagaaga gcgagtccta attccacaat atgtttgtgt 240
 ttcttttcca ctacaccatt ttgggtgatga gtgtgtggac agatcaatct aagagtgata 300
 ccttggtctg ctaaaaaatt agtgagaggt ctgaactctt ctctcaatc tgtgtgaaca 360
 ctcttaattc tggagtcaaa ctgaagttca ttagcttgaa ctggtgaaa 409

<210> 33890
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33890

ntgatgatat gttcttcacc gacgaaagaa tcaaatggg tctaatttta ggcaaatctg 60
 atcatcatgc tttgataaat gcaaaaacaa gaaaactagg gcaaatgaag agggtagaga 120
 tgagggagaa gcctatgctg tgacagccat tcctatatag ccaagtttcc caccaaccca 180
 acaatgtcat tacttagcca ataacaaacc ttctccttac ccaccgccca gttatccaca 240
 aaggcaatcc ctaaatcaac cacaaagtct gtctaccgca tttccaatga cgaacaccac 300
 ctttagcaca aaccanaaac accaaccaag aatgaattn tgcagcgaga aagcctgtag 360
 aattcacccc aattccagtg tcctatgctg acttgctctc atatctactt gataattcaa 420
 tggtagccat aaccctagcc aaggttcac aacct 455

<210> 33891
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 33891

tcacgcttga tgacatgttg agactgatgt gatcttgccg taccacaaga tctgttctat 60
 tgacgtttga atcacgctga ctggcggaga tacccgagtg gttatccgta taaactttct 120
 tttgctatgt ctaagactta aagcatgaca acaagctgag ggggtaatcg cgcagaacat 180
 attctgcacc tttatcattc ataatcgcac ccgacgagtg ggtaaacacg ccgatacata 240
 ttatgctccc tttatcattc atgaacaaca agctgagtgg gttaacgcct atccatagat 300
 gttgcgccct ctatcattca gatttctcac gttgcgcgat atacacgcag aaacaaatcc 360
 t 361

<210> 33892
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33892

tgccactgca gcagttaagt gaacaaatga agtgtctata gtcattgtat ggttgcttgg 60
 tagaggtaca tgtaattaac taataagatt tcctacgtgt taggtataat tattaagaag 120
 aggcactatg tatatagact nttatatata aatcttatta gagttttaac acaatctcca 180
 ctggtggttg aaatttattg agaattataa aataagaaga atgactcatc aaatgactag 240
 tgggacctgc caaatttggtg attnttaaga aatttgagcc aacaataaag agtgtgttca 300
 acagaatgtg ttagagacag tgttgctagc atttctctgt ttaggaatgg tgtttgtagt 360
 tattagtga aatagaaata gaaaatatct tccttatgtc aaacaggctc ctgattntca 420
 gtttcctcag acttggtgctg tcatgtgcga ta 452

<210> 33893
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33893

agcttataca ttttactcat ttaacaagaa ttgccactga aacgatagca ttggctgcac 60
 ttgcaatcct tggccacaga tcagcacact cttttccaat gggaccagtg atagcagaac 120
 ctacattgaa acatgtcaca aacaaaatta ctaccagcaa atgcatcaat agaagggtcaa 180

acggcaaaga tgaagagaat aacaagtaca tgagaacatc tcatctgtat ttctttcttt 240
 ttgaaagcca aaaataatca gtggctactc actacataaa catgcacttt gttaccatgc 300
 anataaaatc ataaacgata cct 323

<210> 33894
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33894

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 tctgatcaag ttgtatgcaa tgggtgaccg atctctagaa gaaatccttg ccctaccgtg 120
 taaaccaagg aaaccaagac ctgtcaaaga gataattgct ntgatgcatt gattaatgac 180
 gacaacaagc tctaataagc atcataactc tatttagtca tgtttttaat tgatgaaatt 240
 tatgttagtt gtggtggttg ttcttggtgt tattgttgtt tgttttttgg atttaataca 300
 aattctattc ttattacat tactaggcat gtgtcattta cacataaaaa caaggaanac 360
 gtagaccgtt aaaagtaagt tcatagaaca taaaaataag ttgtacaaa aaacatcata 420
 agtcgaatac ataataatat aaaatatcca acagact 457

<210> 33895
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33895

agcttgtnta naatatataa gcaggggcaa cttccactcc agtgctcata atcaagtatt 60
 gtcatttgag agcaaaactt aatgccttgg tctaatagagc ttcttgacag gttgacacgg 120
 catcatcatt cttgaagcca aaacttaagt tgactaacat taaaaatgtt acgaatgttg 180
 ttcataatcc aataacaaat gagaaagaat gcttactaat tccatagaaa caagaaaaag 240
 aatacacatt cgttcatatt tcacaatctc aataaaaaaa cttgcctctc cataatactc 300
 attntcagtt gtattctagt atacaagatt atacacaatg caataatttc agaccatata 360
 nagagaaccn cattagttct tacagaccta tacaataccc atacagagaa cttacattct 420

at

422

<210> 33896
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33896

ntacaactta agaaaattaa atataaagag gatagagtct gcataagata gttcgttcaa 60
aaattcataa cttcaacact tttggtttgg tatttatagg cttcaacaac aagtgactgt 120
tgtgagtaaa tgacattttt tttttgcac tagaacatcg tctaaagtag gtgtttat 180
gagtattaaa tgctgaattt aatgctagta cactccaagc taataaagaa ctctgcttat 240
cttccttaag ataaacttta caattgattt caatgggtcaa atcacnttt gcataacaat 300
gacacatctt tttttatgtg aagcgagact ntaaaactta actttgctct cactttcttc 360
acttcgacaa atggtaggaa gaataatcac atatttccca naaanaaagg atcaaccaat 420
atagagcatt aaatgggtct ta 442

<210> 33897
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33897

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taacaagcta ttgtcgtttg aatctgctta gagcttctgt tctcaatttc gagcttctcg 120
atatattacg agactcaatc ggacatccga gtaaaaagtt atcgtcgtta gaaatttctc 180
agagctttcg ttatcaatta ccagttactc gatatattat gggattcatt cggacatccg 240
agtaaaaatt tattgtcgtt tgattctgct cagagattnc gctatcaatt acgaggatct 300
caatatatca c 311

<210> 33898
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33898

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atcgagacgc ttgaatttga atgccgaagc tctgagcaaa ttcaaacgac aataactttt 120
tagtcggatg tctgattgag tcccgtaata tatcgagatg ctcgaaatgg aataccgaag 180
ctctgagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagac gctcgaaatg gaattctgaa gctctgagca aattcaaacg acaataaatt 300
ttaactcaga tgtctgattg agtcttgcaa tatatcgaga cgctcgaaat tgaataccga 360
agctctgatc aaattcaaac gacaantaac ctttactcgg atgt 404

<210> 33899
<211> 317
<212> DNA
<213> Glycine max
<400> 33899

agcttggtga catgcgaggaga tatatgtcat cttgcgctct cacaagatct gtcatttga 60
cgtttgagtc acgctgactg gcggagatac ccgagtgggt atccgtataa actttctttt 120
gctatctcta agactcaaag catgatacca agctgagtgg gtaaaccgcgc acaacatatt 180
ctgcaccctt tatcattcat aatcacacaa tatgagcggg taaacacgca tatacatatt 240
ctgctccctt tatcattcac gaactacatg ctgagtgggt aaacgcgtag acaaagattt 300
tgcgccctat atcattc 317

<210> 33900
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33900

tgcttttgggt ttanatatga tttatacatg atttattatc ttgtangatc caatttgagc 60
aaaattggat gtgggtaaga tggatttcga aatctgctca attgtgcagc aaanagctgt 120
caaattgtgc agccaacttg accaaatgtg cagaaaaatg cttgtgcatt gctggttatg 180
ggaaaggtag tacacattgn gttctagaca ttttctagta gatcccaacg gtcaaactgt 240

agatttatgt actaggaacc tatagtaaaa ttttcaagtc gatccaacgg ttaacgaatt 300
 ggaacaaaga gaatgttact gnggtatttg agtaaggaat gctataatat gtgaatgtgt 360
 tttgggcaga agtttctgcc tcttgccctgt tttcttggtt taaggtagtt catg 414

<210> 33901
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 33901

agctttttat ttgatgttta ctttaccaac tcattctata tgtttgctat gaaatagacg 60
 ttgaagaatt cgattaatct ctaacctttc acatatatag aacctgcttt gcacataact 120
 ttgcacatga gagatgctga gttcgacctt tcaaataatc tgtcttccta gcgggttgta 180
 gtagctaaac aataacaaga cacagagacc ttcacatctt gattggagtc taattgtatg 240
 cgaatcctac acgacggata ctcttagatg tgctatcaga atagtagcta ccatgatgaa 300
 agccacttta atactggata tta 323

<210> 33902
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33902

ctcagctnta ggggtgaaag cacagaggcc aaatatctaa tctttactct gaagcgttcg 60
 tcccttatcc agtttaagac caaattagat gtgttttttg ccaataacac aaaagaagat 120
 gtttgtgact ttaaggtaa aggtagttgg ttggaacgat cttgcgttgt ttatgctggg 180
 gaatctaaca acatcgtagc ccaggtaaaa cgatctcttc tgtttatata accaaaacaa 240
 tctctctttn nctttnnttt tttttttttt ttttnaataa aaaacataat aggttttaat 300
 taagaattta atgcctatgc tgatgggtata atatcattta attattactt taatataata 360
 attaaaaaaaa attaagaaac ttatcatata tctatgctga tgggtataata tcatttaatt 420
 attactttta tataataatt aaaaaaat 448

<210> 33903
 <211> 494

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33903

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tcagntcgca cccgggatcc tctgaggctt ctggattatg caacctctta tcccngcac 120
cgtggatggg ggtgaagctc cttctttctg acttattccc tattggatga cgctctctt 180
cacctctttt gctttatctt ccgacgcact accacggtgg aaaccacca tcgacgacc 240
tcattgaagc tcacagaccc agcctcatag aagcttaca gcaagcttac atcaagtgc 300
aatccgagca caagagcttc cagcacgcgc tccttaaccc tccattaact ttcagcttta 360
gcttcgtctc cattgtcgtt atccatttat ctccatgtat ctgctcacat gccttgcgt 420
aaatgatgtg cacatgactc ttgaacatct caccgactaa acttgctata caaagtagat 480
gcgactttct atcg 494

<210> 33904
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33904

nttaccatan acagcaatct ttaaggnaca ttagcattaa ccatgcaaga gtaagttctc 60
caagaactat ggctgttaac tgaaatcacc atacctcac aaaagttgtg tattagttca 120
gatatctaga tcacatgctg aggtatataa tttgatnta acttatggga gaagctcaat 180
ctatgttacc ttcttatttt ctctataat ggagaagttc atccaaacat aacttgccat 240
aaatatatcc atcaacttgc ggaaacaagt taagattagc ttatattgat aatttcgcaa 300
agaagcttat tgttacaagc caaaaatata agcaatcttt ataagtctga agatgctctg 360
tggaagctaa atgctctaata tgtaaaactaa actactggcc ttggattttc acttctacct 420
caat 424

<210> 33905
<211> 373
<212> DNA
<213> Glycine max

<400> 33905

tctaccttat attcgatgtt cactctaaaa atgcatttta aatggtttct attagataca 60
cgctcaacaa ttcgttttagc tctctaccct tccacatata tacaacctgc tttgccgata 120
actttgcaca tcacagatgc cgaccttgac ctttcacata atttgtcttc ctagccgggt 180
ttagcagcta aacactatca agacacacaa accttcacat cctgactgga gtttcatcgt 240
atggcaatcc tccacgacaa acatacaaag acgtgctctt acaataaggc cctccatgat 300
gacagccact ctaatactgg atattattat catcctccct tataacacac taattgaggt 360
cccaaataac tcg 373

<210> 33906

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33906

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tgtctacaag attgacttgc ctagtgagta taatgtaagt gccattttca atgtgtctga 120
tctatctctt tntgatgcag atggaggggc cttgggtttg aggacaaatc cttttcaaga 180
aggagggagt gatgatgaca taaccaaggc caaggaccat gaagcacttg aagggcctat 240
gaccagaggc agacttaaac aagcccaaca catcatagag acaaggttgg tcatttgtat 300
agctgccatt gatgatgatt gaaggcccaa gtggagaaag atgaatgcc agaggcagag 360
gcactaccaa gactacta 378

<210> 33907

<211> 397

<212> DNA

<213> Glycine max

<400> 33907

agcctgaagc attacttcag gtatactcct gtattttggc atctgtctta catatgttca 60
ccaatgggtg atatttatag gttgtgttaa gatgtgtaga tctagtggca ctaagtctct 120
ctggaattgt ttgatcttgc gattaagtct cactcaagct gctctgcttt cactttagtt 180

tgagtaaact tgtgccttca tagatataac tctggaaca

399

<210> 33910

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33910

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tcaagcaagg atcaacagct gcagtcaatc atgtttgggtt ggtgaaattg ccaaactagg 120

tgccaaaagg acaatattcc aaattggcaa taacaaacat gaatgattac aaagctcatg 180

cttttgggtt gactagtgtt ttttaaggta tcaatgtcta ttcacactag agatgtgttt 240

gcaatttagg ttgttactaa cagagaactg aatcaagacc tattttgcgc tnttatctaa 300

tattttcata ttttaagatc ggttaaattg tcaaaagaac aattagacta cagagaattc 360

atagtgatcc ttatctttnt ggtgtataat aacagttcga atctaaatca tcaagcatct 420

atttcaattc accaccgtta agccgatcat a 451

<210> 33911

<211> 368

<212> DNA

<213> Glycine max

<400> 33911

catgaagaga tgaccttgag gagcagagaa ggacttctca taagaggtaa cgagctcacc 60

taacgcatgt tgaagattgc aaaacaactc gctcaccggc accagcgtcg atgatgatgc 120

ctcattgtcg aagttogaac accgccacct gaggatcatc ataaaacgaa gaagccgaac 180

aggattccca tgcttgaagc attgccgccc aggaggaaaa acactcattc taacgcatcc 240

actcgtacca cgatcgtgtc ggaccatcca tgtaaaacgg cgccactatt actactgtat 300

ggcgcgagac tccttgatag tccaagaact gagatattct acatatccac accatacggg 360

tgtgacct 368

<210> 33912

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 33912

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 cctgagtgac aaagaaagcc ccttcatcca agggaggtga tggaagtcct tcttcttcat 120
 catcatctac aacggatgga ttactgaat ctggtgtacc ttcttctgaa ccaacaaagc 180
 atttaataaa gccattttca aacgtgaaaa aatgccgaan aaaagggact aaaaaacagc 240
 gagatgaatc tgattgtaac caaacgaagg tagataaaat ttctacctgt gatagctgtg 300
 gtagtagtgg ccttaaccca ctcatccacc atttctttcc agccactgca aagtcaggag 360
 gaaaagttaa gaatgcaagt tggtcagaac acaagtgaac aaaattaagc catacaccan 420
 anaagaataa tagctaactt aagtagatga aatgtgctt 459

<210> 33913
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 33913
 tgcataacga gaatatccgt agaaaggctg tggcctgact tctggctgta ggatcattac 60
 tacactcatc tgggctagtc ttgctcacac tgcagataac agatcatata ctatctatgt 120
 tagtagctga acgaatctga tacatttatg aattgttttg gactctagga tgttgagcca 180
 atgacaccat ggcttgatat agctgagtaa ctactccac atctgcattg acagtctctg 240
 gacatccatc taagggtgaa ccatcatctt attctctcat cctac 285

<210> 33914
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33914

tgctgaagag agaaggtaaa ggtaacaaaa tttggcattg tgaattgttg caacacactc 60
 atgccattgt ctattttttt ttatatgtat acaaataat tagaaaagta aaacaaaact 120
 gcttattcta ttaaaaaaag gacaattntc gttnttcaat acattaaata ctaaattgat 180
 tggcaatgct aattntaaga attaaattga tggctntcta tttttactgt tttccaaaat 240

aagtttagtt aaggattcaa gaggtagttt tctttttttt tttaaaaaaa aaagaatagc 300
 atttaatggt accgatactt ccacaccttg attntaataa aagtttccta attgaaaaga 360
 tattcctata aagaattaaa aatggacaat taaataataa taaattnttt actatcatcc 420
 aatcataatc tataatatat gataaattt 449

<210> 33915
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 33915

agctttgtaa caaagatatt ctattgcact tggcttagcc cactaaataa tagccaacaa 60
 tacaaaaaaa atgaacatat tagcaatgga ttacgtgttg gggtagtac aagatcaacg 120
 gggttcctaac acaccaatct aatacttcaa tcaattacca aaaggctata ttgggtccat 180
 ttgatagtta cataaaaagta tttctaatat ctgctgagaa aaagtatgat ctattttgca 240
 tttaaaaata tacaatcata atccatagag aaaaatagat ctatgtaacc caatgtgcat 300
 t 301

<210> 33916
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33916

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 ttcaatccta taacgcaaca tggcggacaa aagtgggcag ttaacttgaa tggccattat 120
 tgtcaatgcg gaaggatttc tgcgtttcac tatccatgtt cacaattat tgcagcttgt 180
 ggttacgtga gcatgaacta ctaccaatat atggatgttg ttacaccaa tgagcacatc 240
 ttanaagcat actccgcaca gtgggtggcct cttgggaatg aagcggcaat tctccttct 300
 gatgaggcat ggacactaat ccctgaccca actacaattc gtgcgaaagg tcggccaaaa 360
 tcaacaagga taaggaatct aaccaccgac aaaaatgtag tagatgtgga gcagaagggc 420
 acaataggcg ccgatgtcca atgcaa 446

<210> 33917
 <211> 74
 <212> DNA
 <213> Glycine max

<400> 33917

caattcatat ggagttttct ttaaaatggg tcttattaaa gccctatcta taatgtacca 60
 cgcagtgtta atgg 74

<210> 33918
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33918

ntataagcgc ggggtctggga gacaaagttc aagaggttgc gatatgtgaa gatgatgttc 60
 caagtacatt ggattttgga cgaccatgcc ttcttgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacacaacga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc tatagagttt ttcttttgt taacgcttcg tgtcttttgt 240
 ttttgaattt ataatacaag gatctttctt catttgttcc tacgtctcta cccattctca 300
 ttcatnnga tgtatacttc tttttctgaa acggcagatc cgatgacgag tccccgaaa 360
 gtactaatac ctgggacccg cctatcgact ccgagcaaga aatgaatcan acggatgatg 420
 acggacacga ggatgtggga ct 442

<210> 33919
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 33919

agcttgttgt cattaaatct tacatgaatg gccttttcta cagtcaaggt tctggagtta 60
 tgactctgt atgccttggga caattcaaag tattcaagta agattctaga atcacactag 120
 gagtcaaact ttccaagttt atccttggtg tttaggatga aacgctgaca tccaaatgag 180
 tggaagtaag agatattggg cttacgtctc ttccataatt catagggact tctttaagat 240
 aggccctatg taaattttgt tctataaata ccaggaaaca tttacagctt caaccataa 300

atctttggga gttgagtgat cgtaaagcat tgttcatgcc atttcctgaa gagatatctc 360
 ttttctctca acaacttcat tctgttgtgc tgttcttgga gt 402

<210> 33920
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33920

ntaggtagaa agacttgctn tcatgattaa nnattttgtt ntattttttc cccacttgaa 60
 ataagcatgt ataaaccaat cccaatcaa aatggctaan aattatatcg accatgcttt 120
 aaagaaacta caaatgttac tggtttctctg tgagaatgtc tttatgggtgt tttattgtca 180
 gactctgctt cgataaattt gtccataaaa agacaaataa atgagtttct tctataattt 240
 aaaatcaact atgcacaaca ttnttaaatt ttctctcatt ctaataattg tctaanaatt 300
 aagaacatga gttaattnta gcttattggt taannatcaa tatatttata tattnttttn 360
 tattntcttc ggtaagtact tgtgaagaag tttatcanag ccttaattag cacttagcat 420
 cangagtcac t 431

<210> 33921
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33921

tagcttctac aagaagagat gacccagagg atcaaagatg gacttctcat aaaaggtaag 60
 gagctgaatt aaagcatggt gaagattgca aaacaactcg ctgagtggca ccagctcgat 120
 gatgatgcct cattgttgaa gtttgaacaa cgccacctga ggatcatcat aaaatgaaga 180
 agcaaaacag gattccaatg cttgaagcat tgccgccag gaggaaaaaa actcattcta 240
 aggcattcac tagtaccaag atagtgttg accatccatg taaaatggcg cactatttag 300
 tagtttatgg tgtgagactc cttgatagtc gaagaactga gatatctaaa tatccaaccc 360
 atacggttgt gacctgcana cggtgggaca 390

<210> 33922
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33922

tgtaagtcac atgttgaacc cattttttgt agtagatcaa atcaaggtct tggaagtagg 60
 agtggaccaa agagaggag tgatgttgaa gttctggttt atctttgttg ggttcacatt 120
 caaggcttaa gtgaaaatca ttatttcatt cttttcattt gaactgcttg atgatcaaca 180
 aagttaaaga aggtcttctg tttgagagga taacgtgtta gctntagttt agtcacatta 240
 ctattgaaga taagggttggg gtttttgtac ttactaatcc ctttcagggg aagcgacatt 300
 cactaatggc tggcatgaat ttgttaggaa taattcacag ttntaaaaag ctgtaaactg 360
 gtagttataa nggtgggttaa gtttgttttc ttataaccaa caagcagtta ctattaacct 420
 gctatata 428

<210> 33923
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 33923

agcttaacca ttatatgttt tattttcttg cataaagaaa ataaatgtgg gaaggctgtg 60
 gcatgatctt tggctctaga atcaagaatc cactcatctt ggctagtctt gctaacactg 120
 caagtaacag ataataact acctttgtta gtagctgtac caatctgatt tatttgtgaa 180
 ttgttttgga ctatagggtg ttgtggtaat gacatccagg ctttatattg ttgagtagtt 240
 aatcttacat cttcattttg cgtctcttga ttctgatcta atggtgaacc atcaccttct 300
 tctcttatac tactagcatt attgat 326

<210> 33924
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33924

tgccagaaag ganaacaagt aaaaagttct tttaaagtca aaaatgttgt ttctacttct 60

aggccttttag agctcctaca ccttgaccta tttataccaa ctaggacaac atccttctat 120
 ggacgcagat atgggtctggt catagtggat gattacacta gatggacatg ggtaggttc 180
 ctaaccacaca aggatgagtc ttttgatacc ttctataaat tttgtaaaaa gatttacaat 240
 gaaaaaggta tttgtatctc ttcaatcaga agtgaccatg agggagagtt taaaaatgat 300
 atttttgaaa aaatttgtca agagaatggt attcaccaca attttccact ccaagaacac 360
 cacaacagaa tggagttttt gagagcaaaa atagatctct ttaagaaatn gctangacca 420
 tgcttaatga cccacccaac cctaaatact 450

<210> 33925
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33925

agctttcttt cncttgtttt tgcacttcaa ttattattca aaaaaattca tcaaaaaaag 60
 aaagcgcgca tgtggctaca tggatggaaa gtaatcaagt actgaagtga gaacttgtgc 120
 cccccaaaat ttgaaacctt cacaagtag tgttgaaaat gattaaatca ttccaagctc 180
 atccgcttag ccctaagtac aatatatctg ggacaaaacc aaaagaaaga aatatataat 240
 ataatccgcg tgaacagtt agtgaaattt gtcaaatttg aaatatataa tataattcct 300
 gatatatattt ttcttccaat ttgattggga gacaaccaa cgacagacat acatacatc 360
 aaaatccagt tgcttaatca catgagctac aagtacatac aatacaatta atatcaa 418

<210> 33926
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33926

cgccgcgcgcg nttcaancgt tganncttga gcccgttcgt gctacaagcg actctatagg 60
 aatctgaaga ctttatgaga gcacggctta gtggatagaa tgctcggtta tggcagcggc 120
 tgctgtgcac actggcacga tgaaggacga gatgaatgcg ccgagccatc tctctctaga 180
 tggagccccg acgatgacct ctaacgctga acacggcaca ttacatctgc tagcacctcg 240

ctatggtaca cagagcattg ctgctctat aactatggcg gagaagcgca ttgacctat 300
 gccccctcac ccacactctg gacgtgtcta gcatgacaca ccaaaccatcg agtggttaact 360
 gatcatactc tcagaccgga ttctctcacc ctacgttgac atgacgctcc catagcctat 420
 ggactccctg agatatcggc cagatcagct ggcgcgcaga ccttcaaa 468

<210> 33927
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 33927

gctttaatgg cctagtgagg atggagaggg gcaactaaga agccagtgga gtttgatata 60
 tccattgaac agtacaatga taagggtgctt tgtgatgttg ttactatgga cgctagccac 120
 ttactcttgg ggagaccatg gcaatttaat aagagggcta atcatgatgg tttcaccaac 180
 aatatctctc tcacggatca acgcacaaag atgtgctcta accattgagt ccacaagaag 240
 tgtgtgagga tcaaagacaa atgagagaga taattcttca agaccagaga gacatagaaa 300
 acagagccaa acacttgaga gttcaaaaag tgacgacaaa cagagggaaa cacacgagag 360
 gacacagatg agtgaaacac ttg 383

<210> 33928
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33928

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 aggaatcttc tggagagccc aagtgggctt ggtttgctat tgcaccccca tttttactaa 120
 gtacacccct tgctttttt ttgggtgattc tttnttcgta aagttacgga aacttacgaa 180
 tttcgtaacg atataaagag atttggtata tagaccgtgt tgatatatag accgtgttga 240
 tatanagaaa ttntatttag cattgttaact acgggtttaca ataatgccat anacttgaaa 300
 atcctgatga gtcattagag acatctaaca acaactntca naattgcccc atgtgtggtg 360
 tcacttgtca gtgtaggat tcaacaagcg attcttctca natttcagcc agcccgcatc 420

aataaacctt gcacctt

437

<210> 33929
<211> 200
<212> DNA
<213> Glycine max

<400> 33929

agcctcatga aaaatcttat ctctcatttt tggagcatca agaggactca gcataattca 60
gaacgggggg atgaattaat tattaatgtg tcttgactaa ctaaaaatta tccctcttaa 120
tattactaga ttcaattacg cttttactac tacgttaaga aactaaagaa cagaaacaga 180
cacttagcca aaagtacaat 200

<210> 33930
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33930

ttgatggtgt tgagaagaaa tcacatgttt gtcaccttca aaatcttcat gattaatttg 60
atgatgtttg tgaacttttg aatgagtttt tgatgctttg ttactcctta aatatttgac 120
tttcattaat atttttttat ttatttatta tcttataggt atgtagaaaa acctgaaaat 180
tattctgtca taggaacaaa atgggttttt agaaataaat tagatgaaca tggcatagta 240
agaaacaaaa caatattgct ttatccattg cttaaagcggg atatatctct gccggcagtt 300
gttggtgcaca gattntatgg atgaagcaac aattatctga ctatggtatc cttcttgatc 360
acatacctat tangtgtgat aatactagtg ccataaatct atccaaaaac cctgtacaac 420
attctcgaat 430

<210> 33931
<211> 323
<212> DNA
<213> Glycine max

<400> 33931

cgctttatga tgcacaaaga ttgattcagt gaagtttttg tgataacaaa ggtgatgaca 60
ataagcttaa agatcaagaa caattgatga taacaaagat gatgatttca agactcacat 120

atcgagttca cgatgttcaa gattgaatca agaacactct atggctcaag aggaaatttg 180
 atttcatgaa tccagaatca acattcaagg ttccagcttc tccgaatcaa tatcacgatt 240
 catgactcat gattcacgac tcatgagaag acttaatcct gtatagtact aaaaagtttt 300
 tcactaactg agtatcacat ggc 323

<210> 33932
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 33932

tttgctgcaa gtttcatgtc actgagttaa ttaacatggc tatatgtttg ttgcctatgt 60
 gatgaccatt tgtcctaata tcaacacatc ttccaaagat taagattatc tgaagctcat 120
 ttgcaaggct attaaactgca ttatatattg taacaacttc atgacatcta tttttggcac 180
 agtttcattc aagatacata tcgtaataac ttcatatctc ctatgcttgc cccatgagtt 240
 ctttacatat gatttattca ctgggcctta cgtaagact acatgtgc 288

<210> 33933
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 33933

agcttatggg cagatacgag catgtgctag gtccatgatc tatcaatgat catcctgcgt 60
 ccagctcatg acgttaaaga gtctatctcc ctgctttaat tttgttcttt agaactcctg 120
 cttttattta tttgcctatt ttcttgaata ttatctgaat ttgcctatct atctgtgacc 180
 ataggagtct aaaaaatata tacatgacca ggaatgatca aattttgcaa aacaataaag 240
 ggggttagct cgctgcgcga agcatgtctg 270

<210> 33934
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 33934

agcttcttga gacgcgtacc tagatcgatc aactctaact tgggaaggtg tagtacgagc 60

cttccttttc ttaaagcca tctgcaagac attagcacag gttagtttca cacaaaaaca 120
 taaaaataaa actgaaatth tgatatgtgc ttagcgaagc atgtcgcgct tagcgcgcct 180
 tataaaatth tacttatggg ataagcgag tagactcgca cttatcctga atacacaaaa 240
 tattttcttct gtacattaag cttaccgcag caagctgagc ttaacctaag tccacaatct 300
 ccaaaataga agagagttgg agcttagtgt agcatggcgc gcttagctat cgttatcaga 360
 atgacac 367

<210> 33935
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33935

agctttgcag atttggctct cgccagtga aggatcgatg tgggtctgaa aaaaggcaaa 60
 tttgatcatc ctactaggac gactgagaaa actggggcaa ataaagaggg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct gtacggccaa gtttcccacc aaacccaaca 180
 atgtcattac tcagtcaata acaaacctcc tccttaccga ccaccagtt atccacaaag 240
 gccatcccta aatcaaccac aaagcctatc tatcgcaact ccaatgacga acaccacctt 300
 tggcacaaac caaaaaaaca ccaacaaaaa ggaaatttgc agcaaanagc ctgtanggtt 360
 caccocatat tccgttgtca tatgctaaac ttgatcccat atccactcaa t 411

<210> 33936
 <211> 236
 <212> DNA
 <213> Glycine max
 <400> 33936

agcttttatt aaacaaaatc tgggactgac tgacgaatth attctgaata gcaaggctct 60
 taaataacat aaattgacta aatggagcgg tctgtctctc atatgttact tctatagttt 120
 tattacacac cttttacaat tgactccctg actcggaggt cattttcact ctaatagcca 180
 agcctttaaa caaaattcag aactgacttg gtcgacctca gtggtggagg tcttaa 236

<210> 33937

<211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33937

agcttgttga cacgcttata ctaacgttgt cttctgcacc ttgtgtcatc cagagacggc 60
 gagtctgatg acatgcgagg gtaccttatg gttatccgca ccttttgtca tccacagacg 120
 gcgtgtccga tgacattcgg gggtaccata tggttattcg cacctttcgt caaccaaggc 180
 gaatgagtcg gatgatatcg ggatgatgtt ggtcgtccga ttctgattat tctttacaat 240
 cttttcagct tttactttca tcatccagag acattcaatc ccgacgacgc ataagattct 300
 tctctgctat gcagggacga tcgagttcga tagcatgtgg anacgtcgtg gctatccctg 360
 tttatcgc 368

<210> 33938
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 33938

agtttggctc tggccatcag aaccatctca ttctctactt catccatctt ggaataaaca 60
 ttctgtcaa gtgagtgtct ttttgcata aacaaatcaa atgtgatctt ctgatcatct 120
 attcctatct ccagattacc tttccctata tccaccacac aattggcggg tagcatgaag 180
 ggacaaccta aaatcagagg ggattcagca tcctcttcaa tgtccatgat caciaagtcc 240
 acagtgaag tgaattgtcg caccttgacc aatacatctt caaccatgcc ataacgcctt 300
 gaaatgtaac gatttgccag ctgcaattca ttcttgttgc ataatttcag ctctccaatc 360
 ttttgcacat gagagcggat caaataatac ta 392

<210> 33939
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 33939

agcttgcaca tcttctcgat caggttgaca attcaaactt aattgtccct tggcagcttc 60
 agccaccgca tggttttgac tccttgaatc caattcattc tgcacccgta cctcattctc 120

caatctgtca actggagtta aatgtcgtaa ggtgctatct acttctgatt catctttggt 180
 ccgccatgat aactgatttc tctgagcaat ctctgcttca cggtcggatt gccgcttctt 240
 ctttcgcac atcaggggtt taaaccgaag tttactgtc atgcacacat tgcattgtgca 300
 tgtggggttg tgtttgccct tcccacttgg tggctggata cagacaatgc atgagcaccc 360
 aggtctatgc cgaggatg 378

<210> 33940
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 33940

agttttgatt aataggatat gggatgagag tgtgaaacga tatcatcatt acccctatct 60
 tattcaaaaa tctgttagga ttatatagct aaatttgaac taacttaatt aagatttgat 120
 gggttccaca taatattaaa tggttttatt cctgaaaaca cattctcact tggttttttt 180
 tttcttttca aattacatca ctctgtagtt taattttcaa tgtacactgc tttacacttt 240
 gttctttgat taatacc 257

<210> 33941
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33941

agcttgtaaa taatcttaga tagaagtgtg aaattaagtt cttgagtgga atccctcttc 60
 taaggagaaa atctgtaatc tgtgtagtta atcacagacc cttttttata aagttcagaa 120
 tggctggcaa aagagaaaatc aagtgggtgta gttgggttaa ttaaggctag gatgaagtct 180
 aatgaggaat tggcacgttt ttgaaaccca gtggtttggt gccctagtat tgtactgatt 240
 gtgttagtga attctcatct ttaacgggtga cgattggaca tagcccaaag tttatgtgaa 300
 ccaatattaa aacctttgtg caccctntcc ttntcttttt ctttacttta ctatgcacaa 360
 atatgaaaat tggttttgat cacatca 387

<210> 33942

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ϵ	0.000000	deg	Equation (1)
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η	0.000000	deg	Equation (1)
θ	0.000000	deg	Equation (1)
ϕ	0.000000	deg	Equation (1)
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ψ	0.000000	deg	Equation (1)
ω	0.000000	deg	Equation (1)
ν	0.000000	deg	Equation (1)
μ	0.000000	deg	Equation (1)
λ	0.000000	deg	Equation (1)
κ	0.000000	deg	Equation (1)
ι	0.000000	deg	Equation (1)
\hbar	0.000000	deg	Equation (1)
g	0.000000	deg	Equation (1)
f	0.000000	deg	Equation (1)
e	0.000000	deg	Equation (1)
d	0.000000	deg	Equation (1)
c	0.000000	deg	Equation (1)
b	0.000000	deg	Equation (1)
a	0.000000	deg	Equation (1)
z	0.000000	deg	Equation (1)
y	0.000000	deg	Equation (1)
x	0.000000	deg	Equation (1)
w	0.000000	deg	Equation (1)
v	0.000000	deg	Equation (1)
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t	0.000000	deg	Equation (1)
s	0.000000	deg	Equation (1)
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q	0.000000	deg	Equation (1)
p	0.000000	deg	Equation (1)
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m	0.000000	deg	Equation (1)
l	0.000000	deg	Equation (1)
k	0.000000	deg	Equation (1)
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g	0.000000	deg	Equation (1)
f	0.000000	deg	Equation (1)
e	0.000000	deg	Equation (1)
d	0.000000	deg	Equation (1)
c	0.000000	deg	Equation (1)
b	0.000000	deg	Equation (1)
a	0.000000	deg	Equation (1)
z	0.000000	deg	Equation (1)
y	0.000000	deg	Equation (1)
x	0.000000	deg	Equation (1)
w	0.000000	deg	Equation (1)
v	0.000000	deg	Equation (1)
u	0.000000	deg	Equation (1)
t	0.000000	deg	Equation (1)
s	0.000000	deg	Equation (1)
r	0.000000	deg	Equation (1)
q	0.000000	deg	Equation (1)
p	0.000000	deg	Equation (1)
o	0.000000	deg	Equation (1)
n	0.000000	deg	Equation (1)
m	0.000000	deg	Equation (1)
l	0.000000	deg	Equation (1)
k	0.000000	deg	Equation (1)
j	0.000000	deg	Equation (1)
i	0.000000	deg	Equation (1)
h	0.000000	deg	Equation (1)
g	0.000000	deg	Equation (1)
f	0.000000	deg	Equation (1)
e	0.000000	deg	Equation (1)
d	0.000000	deg	Equation (1)
c	0.000000	deg	Equation (1)
b	0.000000	deg	Equation (1)
a	0.000000	deg	Equation (1)
z	0.000000	deg	Equation (1)
y	0.000000	deg	Equation (1)
x	0.000000	deg	Equation (1)
w	0.000000	deg	Equation (1)
v	0.000000	deg	Equation (1)
u	0.000000	deg	Equation (1)
t	0.000000		

atagcttcaa ccctataacg caacgtggcg gacaatagtg ggcagttcac ttgaatgggc 60
atcattgtca atgctgaagg tattctgccc ttcactatcc atgttcacac attacttgca 120
ctggtggtac ctaagcatga acttctaccg catacagatg ttgactatac atatgagccc 180
atcttacaag cttactccga caatgggtggc cttctgcgaa taagcagtta ttct 234

<400> 33943

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ccattcatag	ccagcaacag	taaaaggacg	atgggtgacc	agcactgtgg	ttacgccgca	180
cataggggga	tgccctatcg	tccctaccac	cactcttctc	tgccccgaag	aacataaagg	240
agacaaatta	tggtgatcaa	acaagttcct	cgaccggaga	agcagcggaa	ggctacaccc	300
tcccatgata	gtaagaagtg	cctccaccag	catgggtgtg	aaccctcaac	ctctccaagg	360
aagaggagtc	gctatcagaa	ggcccacgac	gagtc			395

<400> 33944

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aaaacaaagc	acttcttcta	tccatactta	gagaacttgc	gttcttggtc	cactgggaaa	120
aaaccagtcc	aatgaatatg	gtcaagtgtt	ctacgcaaac	catatgtatt	gacagcttca	180
ttagcagctc	taaagccacc	accaatagct	ggggaagaat	cattggccat	ctgattcttg	240
acaaattcac	ccaatttatt	ttccacatga	gattctgcc			279

<210> 33945
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33945

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 tgaaaagggt ttttcaaaaa ctgagtacca catggatttt tctcaaaaca tatttaccaa 120
 agacttttta ctctctggta atcaattacc agattattgt aatcgattac cagtagcaaa 180
 atggatttga aaaagttttc aaatgaattt acaacgttcc aattgatttc aaaaaagctg 240
 taatcgatta caatgttttg gtaatcgatt accagtgcct ttgaacgttg aaattcaaat 300
 tcaaagcgga agagtcacat cctttcacat aaaagatntg tgtaattgat tacattgatt 360
 tggaatcgat taccagtgat tggttctgaa taaactaaaa gatgtaact 409

<210> 33946
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 33946

agtttgtcta ttccactcca gcataagtgt cttttgctcg tagtaatact atccatctcg 60
 aatataatta tctttatctt attccgatga tattctttat ctcatgaaaa attttaacca 120
 tgattcttta ataaaagaaa tgacatttat tgatttggca ctttttaata ggaaccatgt 180
 tcctacagca taagtgtctc agtttgaata gctctggatt tgattgatct tgaatccctg 240
 gtttggattt atccaattgt gctttatctt accaccaccg ccttgcgctg gcacgtgtct 300
 ttgaagacgg aacgtgagaa gaagaacgag ctgcactttc cactaagaaa gtatgcg 357

<210> 33947
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33947

agctttttaa aaaaaagcct gatagacctc tcaggctgac ctgtttaata tgtgtgtgtg 60

tgtgtaaact tttcttgatt cttatttctt atttatttta gtatttgaca ttaagactag 120
 attatcaaat gaaacttatg gtattttact tagcttggtt attttggtga atacttaaag 180
 tgcttcgatt ataattctta cttgggttgt tgtgattagt gaattttaat ctcatattag 240
 agtgctctaa ttaattntaa cttttttttt catgcacaaa ctaaaaggga agtatgtgtc 300
 tttctttata ttaaacttta aaaagtacaa tacggaattt tcanaatttt actatatagt 360
 cattagattc ccttcatata taatattca 389

<210> 33948
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33948

agcttctgga tatactatgc atctgaatcg gacaaccgtg tgacaagtta tgactatntg 60
 aatctctcga gagcattcct tattcaattt cgagcgtgtc gataaatcat gcgcctgaat 120
 cggacattcg tgtgacaagt tatgactatt tgaatttctc gagagctgcc ggttttcaat 180
 ttagagcattc tcgatatgtg atgcgccaga atcggacatc cgtgtgacaa gttatgacca 240
 tttgaatttc tcgagagctt tcgatgttca atgtcgagcg tctggatata ttatgcgcct 300
 gaatcggacc tccgtgtgac aagctctgac catttgaatc tctcgagagc attcgttgtt 360
 caatatcaag cgtctcgaga ttatatgcgc cttgatc 397

<210> 33949
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 33949

agtttgcttc tacaattata tatacaagtc atttgatatc tatgttaaca gtgggacttg 60
 aaactaacta acaaatatat taaaaatatt atacacgatg actatgaagt gaaatatatt 120
 agcacgagtt gatgaatata gccaaagatat taggctgtag ggatattcat tgtggctcct 180
 tccatatata agtcgttgca taaattgact tggatcacat tagctgaaaa aaacctagt 240
 tgggatggat aaaagacaat tgtgatgaag ggtctttgag ggaccacact actacaaaag 300
 cagcattcta agttgggttat aaacggttct ctatgt 336

<210> 33950
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 33950

tctgcatgca agcttgggag gattgatggg gacccggtgt tgagagaaac gaggatttgg 60
 gctacatggg agtacatgag ctacagttgga ggtgggcaac aagggatggg aggtttatgc 120
 gcgatttgtg gatgtggaaa atttgttgtg caccatcgcc cgaccgccac ctagtaccac 180
 atgtgatggg taccacataa tgatacaagc ttgagatgag gaagtgtaaa aaggtgatac 240
 ttctgtcttt tattcgttga ccacagagtg gtacctggag atatgttgtg ggggt 295

<210> 33951
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33951

agctttaaaa attgtttgtt ctaaagttat agtgcgctc ttatttaagg ggagtatcca 60
 gctattccat caactgaata tcttcttagt gtaataacta atgttacaaa aaccaagaat 120
 cataacttcg aatcttttcc aatggaggtg tcaatattca atagcttatt atgtctcaag 180
 agaatattat cttcttgaag aaacaagaac taattatcaa tctattattc aaattattct 240
 aaaatattca atttgatctc caaatttata atcaatttaa ttcgattatc acatgattgt 300
 aaaaaatata tcaat 315

<210> 33952
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33952

agtttgtaat tgattaaaag ggaagagatt atgattgac ttccttcacc cagtttattt 60
 tatagtttca ttaattaatt acaaatacga ttgtaggaca aaaattaact ataattatat 120
 ttaaactggg caatttagaa taaattcggc agggaaaaaa atgaaattaa tataaaaaata 180

tgaggaaacaa ataattcaac gcatatztat ttgaactgaa catagaaaaa aagacaaaga 240
aatggaaggt cattttttgca ccctttnttt aaaatttttg tctgcgcctt actatcogaa 300
aacaaaaaaa aaatgttaga taatatctca ttctatttctg aanagaaaaa tatattaaaa 360
ttaaggtgaa taatgatata tacatataat 390

<210> 33953
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33953

agcttggatg ctgcttgatc aaccttagcc ccttggtgat gccattagaa tcattgaaga 60
catgtgctct aaccccgaca acaactcaag ggatatgagg attatgaaga aaggcatcaa 120
ttagatgagg atggattaat cccaaactaa attaggaaag cagatacacg ctctatcact 180
gaagattgag acacccatga gagcttaagc tcaagtcccc attacaaaac cttcattctc 240
aacctataat aaatgtggga ttatgcatgt tccaagagaa tgcattattg atgaaagcta 300
gtggcaacca tggatgagat caactttggt aggggaggaa ataattctta tagttagtac 360
cccaacaatn tcaatcanaa atagggcttc aggcagagtc agggaatgt 409

<210> 33954
<211> 409
<212> DNA
<213> Glycine max

<400> 33954

agcttgtaat cctttatata agctaagat gcttaacgaa aggggagaga aaaatatttt 60
ttctctcatc ccttgagcta gcttttggga ttgagttaga cccaaactca cattctaaaa 120
aatacgtagg catgcgccat tacttggttt gcatagaaga aatgtgacga ataaacgtgg 180
acaagttctt agaaagagag catcgagatc acgaagattg aaacgattct tgtgatcttc 240
ttcatctggt actctctcta ttogaacttg tgctctttac caaggttatc gagagtctac 300
gtagactcgt gagagtttca tagactcgac tcgtagactc atttggtata atctgcttca 360
tataaaaatt ataacaaat atttatatat aacatactaa ttatacatt 409

<210> 33955
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 33955

agctttgogg aattgggtctt cgccagtgaaggatcgatg tgggtccgaa tagaggcaaa 60
 tttgatcatc ctactatgac gactgagaaa actgggggcaa atgaagaggg tgagaaagag 120
 ggagaaaccc atgctgtgac tgccattcct atacgggcaa gtttcccacc aacccaacaa 180
 tgtcattact cagccaataa caaacctcct ccttaccac caccaatta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct accgcacttc caatgacgaa caccaccttt 300
 agcacacacc acaataacac caacaaaaag gaattctgca gcaaaaagcc tgtagggttc 360
 accccaaatt cgggtgtcata tgctaaa 387

<210> 33956
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 33956

agcttgtggg attatgtgat agtgatcttg ccagacatgc tgatgatatg ataagtacta 60
 ctggatctgt attctttatg ggcgattgag tatttcatg gagttctaac gaacaaggca 120
 ttgtgacact ttttacttgt gaagtcgagg ttataactac aacttcctgc acatgtcatg 180
 ccatttggct aagaagattg ttggaggaac ttcagttgct gcagaatgaa agcaccaaga 240
 tctatgttga tagttgatct gcgcaagagc tcgccaagaa tccggtgttc catgaacgaa 300
 gctagcata 309

<210> 33957
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33957

agcttgagat gaggaagtgt tgaaggggtga aacttcctgc tcttattgtt gaccacagag 60
 tggtagctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcgg tcagtgagaa 180

cctgtgatgt acctaagcat gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300
 gtggcctctg gtaatcgatt accaatgggtg ggtaatcgat tacaaggctt aacaatgaag 360
 acaggagggt aagatggtct ctggtaatcg attacca 397

<210> 33958
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 33958
 agtttgttca catattattc gcatgtatga tatccactcg acaaggtttg aagtagagga 60
 gactctcaat cctataatgc aacgtggcgg acaaaagggg gcagttaact tcaatggtca 120
 ttattgtcaa tgcggaaagt attttgcgct tcactatcca cgtttacaca ttattgcacc 180
 ttgtggttac gcgagcatga actactacca atatatagat gttgtttaca caaatgagca 240
 catcttaaaa gcttactccg cacaatgggtg gcctcttctg aatgaagcgg ctattcctcc 300
 ttctgatgac gcatggacac ttatccttga ccaactacaa ttcgtgcat acgttggcca 360
 acatcaacaa ggataaggaa tgagatgga 389

<210> 33959
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33959
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 atagagccca atgttttact catatggatt acatgatcaa tatgagtcac ataaattaac 120
 tcatacgaat tacgtaatcc gtatgtctct tatagattat gtaatccgtc tgtacataat 180
 ccgtatgact catattatgt aatttgtatg agttaattcg tatgactcat gcgggatcac 240
 gtgattcata agtatttttt ttaatctttt ttttcaaaaa tatgtctttt aatttattaa 300
 tatattaaaa tttttaatag taagtatttt ttatttataa aaaatatact gattaaataa 360
 ttcatatgaa ttatatcana attaatgttt ataaaa 396

<210> 33960
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 33960

agcttatcta tgggggcaga atcactetca ttaactcagt cctatcagct ctacctatct 60
 acttactatc cttctttaag atccctaaaa aagtgggtgca caaaattggt tccatccaca 120
 gaaatttcct ttggggaggt catcaagagg ccaacaagat tccttgggtg aagtgagaca 180
 cagtttgtct tcctaagaac aaagggggcc tatggattaa agatttatct aaatttaatg 240
 acgctctact tggcaaattg ggggtgggagc tggctaataa tcacaaccaa ccttgggacta 300
 gaattttact ttctaaatat 320

<210> 33961
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33961

agttttattt accaggaaaa ttatagagta aattaataac aagaaaattg tgatttttgt 60
 aattgtatac cattgcatat agttgaacaa ttaaatttaa tttttcacat attgtatgca 120
 taccaaggta attactaatg aaagtatcat ctttattata tatttcatta attaaggata 180
 tacatattag ttaattcaaa atatatcttc cctatcattg acgaaaaagg gtcaagggag 240
 aataactttc aaaaaagcat tttttttgtt aagaggtttt tttttcttn taaaaaagta 300
 ttcgaaatta aatattaaac aatntccata taataataat aataagtaga ctactagtag 360
 tagtattagt attattaaat gtaattaa 388

<210> 33962
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 33962

agcttgcttg tccgatgcag cagtaatgat ggcccgggtt atgttgggga acggttacca 60
 acccggaatg ggtttaggca aagacaatgg cggcataact agcctgaata atgccaaagg 120

aaatcctggg aaatatgggt taggctataa acccactcac gcggatataa agagaagcat 180
 cgctgggaga aagagccgtg gtcaaagctc gcggctgaga caaaaaagtg aaggaggccc 240
 gccctgccac ataagtataa agctta 266

<210> 33963
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 33963

agcttagcat tcgccttttg ccatgatgtg atctccttct tgacagtatc tcctcgagtt 60
 ggagtgggtat cacagcattg aactatgttg atcgttccaa tgggatgatg gttttgattg 120
 ctgcagataa agtgtgtcat tgtgagtttc tggccccatg agttaaacta taacgactac 180
 aaaaaatatt gtcgtatctt taagggccaa aaggataatt aaaccttcta tttctttata 240
 attctttttt accacgggtt atatatatgt agcagtttat tctaaacaat ggactacgtg 300
 tgaaatcttt gaattctatg taagacatgt tatttcaaat ttctcattac gtctcatgtc 360
 aatgatgcat gctccattcg aattctatgt ctaatt 396

<210> 33964
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 33964

agtctttata cgggcatggt tgaagcccat ttgtgatgaa ttccatgttt ctctttgaag 60
 atctcaattt aaccaagggt caaagacatt aagaagacct aacgtagaag atttattaca 120
 gattacaatg agaatacaac atcaaatga agttgtacct tagccagcat cataatggtg 180
 tatttgagga gtctgagact gagaacatca gaacgatact ctaatgatcg accattatca 240
 tgactcgaca tattatgaga cgactacgtt agaatgacgc atcgtagtct ctcatgccgt 300
 atctatgcat cggaacgatc aagcatctac atgtcttcca tatgaaatca cagatgatag 360
 ct 362

<210> 33965
 <211> 372

<212> DNA
 <213> Glycine max
 <400> 33965

agcttgagtc gctgatattc acctagtcca tcatatttag ttcgccgatt ctacacgtct 60
 ccaaacggac cgaatctcog tgactctgtc tctatgctag ttctgtgtac gtcatttttc 120
 actctttttt tatagtacaa ggaatattct atgctgtctt tttatctata aaagatttca 180
 ttgcattttt caaagcttat ttttgactta taggccttat gttttggtat accgtatact 240
 tgtaccaagt tctattaaaa taaattgggt attacttttc ataaagagta cagatattct 300
 tatgtggcaa tgccaatttt tcttcataat acataaccta ttaatacttc aacatttttt 360
 actcctttat tt 372

<210> 33966
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33966

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 acgcattact ctctctcgt acataagacg tacaacttat atatttcata cattacatat 120
 ataaaacata gaacataacc catatgtttc atacatcata tatataaaac atataacca 180
 tacatcgcat atatataaaa catacaagta gcaatgatat gggtatcacc tctaacaaat 240
 aaagccaaat catgacatct aggatgtatt taaaattgca acccaatata acttacaggt 300
 cgcccaaaat taaactacga catgtacgct gcaaaaggga ataaaatana tcatagcaca 360
 tattctatat ctaanataac aataaactaa ggtcacaac 399

<210> 33967
 <211> 364
 <212> DNA
 <213> Glycine max
 <400> 33967

agcttcacct cagcattcta ggtatgacat atgtaatttg ttaattcaat catattactt 60
 tgatacatta ctgaaactca aatgtatgtt aaaccaacta cctgtaattt cgaaatgaag 120

tccatttcaa ccatgccata ggatatacca aggctacaaa taaaagtata ttgaacattt 180
 gaacctaaag catatataca cccttattta tgcacttcat ttagaaataa gttcacttta 240
 cgcaacattt aaaggcataa taagggtcct tgtgtggtac atttggttac cttattggca 300
 agagaactgt gacttatgta caagacgtag aatcaagact tcatcccatg acacattttg 360
 tatc 364

<210> 33968
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33968
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 tttacttttag aagaagtctt ctaacttttg aaaccttctc ctggctccta catgatgatg 120
 catgatgcat atatgaaatg atagagacta agatgcaaca cataatagaa caatcaatac 180
 caatgtcact caagagagtt aggcattgtaa aagacaaaac ttcttcaagc tcttctttat 240
 gcttcaaggc taagtcttca tgttgctccc tctatctcta atgccttgag tatcccggtt 300
 atgcacgggc gcctgttgac ttatgcttac gtgtagattc cacattgcgt tgggtgtaag 360
 agataactac tatgagtcta ggacctttac ttctata 397

<210> 33969
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 33969
 agttttcaac agtcccaaaa cccaatgtgt atgcgcaacc aagtgtcatg atttctatat 60
 taccaatttt gctagttggt aatgttgaat catagttttg ctctctcatc tagcattcgt 120
 ctcatattgt aaacctattt cgtgtcgtcc agatttaaaa aaaacttctc ttactttatt 180
 tcaaaatcat tcttctgttt accttacaac tcaactcaact ctatcattac cttttttcaa 240
 tatgcataat taccaacatg caaacatata taatccagca gatggcacca tcaataggca 300
 agctatgatc cagaagcagc gagatgcctc atctcccatc tctttcatct tctaaattta 360
 ttggaccttc t 371

<210> 33970
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33970

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 tttttgcctt tgaagaaact tttctaactt agaaaatgtc cttcacacac actatgatga 120
 tgcacaatgc aaaacaaata tcaaattgtac tgagatgcaa caatcaagtt aacaaccaat 180
 acaaatgcta ctcaagggag ttgggcatgt aaaagccaaa acatcttcta nagatccttc 240
 anacttttcc tcgagcttca agcttttagcc ttaggttggt ccatgttgct catgtttgct 300
 gctccctatc tntaacaccc gcgngtagtg atntcataat cactaatacc tatgatg 357

<210> 33971
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33971

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 gtcactcttg agacaaccat aacactcacc tcataaaaaa aagaatacga tgtcaccaac 120
 atcatcatgg aacgtgtctt gcccgtatta tgccttatca ctcttacatt cacaatccaa 180
 ggaagaccat catcttgaaa accaaagaca tggaactgaa taacaagaaa ataatttatg 240
 agaagacgat aaccgtacat acctaccttc ttatgtggaa acagagaatt gagatagatg 300
 agacangata acacgattta tacaacttac acaattgcct ctagatacca aggagtattt 360
 agcaagataa gaacagatag c 381

<210> 33972
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 33972

agcttaagcc attaattatg actgcacggt tgatctattg cgtgaaactt gcacacacaa 60

gacaagaagt caaaaatcaa ttaatcattg cctgtagatg ttaaacctag catcattcac 120
 gcggttttat ttcatgccgt tatgacaaca atattctttc tcgtaataat gtgcgagaag 180
 aaaaaaatta ttttaaaata atcatcttct aattttatag tgtaattata attatatattt 240
 tttacttata tttcttataa cattaatata aggaatacaa aaatttaaaa taaaataata 300
 atgataacat taattttata aaaattatta ttctatctta tatatttatt gggttttgtt 360
 tatctgtata caactaacta taat 384

<210> 33973
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 33973
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 tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgtc ttttacagac 120
 ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatttg 180
 ttaggtagtc ccttctcctt gagcatcgat ctagctattt ccataactgt gcgattcttt 240
 ctctcggaca ctctatatttg ttgaggagaa tatgagactg taagttgtcg ctcaatgcct 300
 tcacctcac aaaatctttt aaactcgoga gaggtgtact ttttgccgcg atcacttctt 360
 agtactttta tccgttttcc actttgattt 390

<210> 33974
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33974

agcttgtagc cattagaaga gaatgagcat gtgattggaa ttatgactga aaatgttagt 60
 cagtttgcca gattgattgt gaaggaatgc attaaccgta tcccggtag agtgtgatcc 120
 ttaaattttg agagaaacga ctatcattta gtactgattt ttgcgtgaat ctctgaagta 180
 tggactgaat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga tagccactta 240
 gccaaaaagc tgaccatgtg cttgaatgat ttacccttg caccagttt gagctgaata 300
 aattattgat tgattgaatc tggactctat acagtgttat cttctgctac cttgacttan 360

ngtgtangag agcatcatcc acagtaagcg t

391

<210> 33975
<211> 366
<212> DNA
<213> Glycine max

<400> 33975

agtttaatga tggaatactt acttggtggt gatgaataaa agcgcaaaac ggaatcgaag 60
aatgcgaaaa gtagagatcc taaggctgca aactcgtaaa ttccgtgggt atggcttttg 120
aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc cctttcgtca cttttatatt 180
ttggtgcatg ggtggctcgc ccaggcgagc taacctgcac tttttttttt gagaggaaca 240
ttaaccatgt cccctccttc cttatgggtt agtgttttgc ctatttgagc ctactcaagt 300
tagaattagg cgттаattac taaaaacaaa caatggtagt aaaatactgt gaactcatag 360
gatact 366

<210> 33976
<211> 395
<212> DNA
<213> Glycine max

<400> 33976

agtttgtaa cactgttccc tttctccctt gccgaaatc ttgggaaact taagaccctt 60
gaaatacaga actgtgacaa gttggtagaa attgttgga aggaagatgt gacggaacat 120
ggaacaactg aaatgtttga attcccttgt ttgtggcagt tgcttcttta taagctgtca 180
ctgcttagtt gcttttatcc tggaaaacac catctggaat gccccgtatt aaaatgcttg 240
gatgtgtcct attgtcctaa gttgaagcta ttcacatcag aatttgagaga tagtcccaaa 300
caagcagtta tagaggctcc aattagccaa ctacaacaac aacctctgtt ctcgattgat 360
atgtgacaaa acattatcag ttaaactttt tgagc 395

<210> 33977
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 33977

agcttgcaatt tactgcattt caagataaag gtggcatgca cctgcatccc caaaaaacat 60
gttcataagt gcatagattt ctcttgagga tgagaggccc tctcaaagag tcaacctctt 120
gcattctcat aaggctgagc cctttggtac tagtacctat tggcttggtt tcataagact 180
caaagtcttc tatcatttac attttcaaag actatcgtag actttcatca tgcggagaca 240
attatgggtca ttcacacctt tttttgcctt ctagagacaa tcaagtcctt tggcagcgcg 300
agacaaatta tggtcacccg ctntcttttc ctccggaga caataaagtt cgttggcaca 360
cggagacaaa ttatgggtcat ccaact 385

<210> 33978

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33978

agttttctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaaacatgaa aataacaaaa aaagtcctta ttacaaagac 180
aactcaaat gccccgaaat acaaggctaa aacctatac tactagaatg gccaaaatac 240
aaggcctaga caaaggaaaa acctattcta atatttacia agataagcgg gctcatactt 300
agcccatgtg ctcgatatct accctaacgc tcatgagaac nctanggcct ttccttgat 360
ctctagccca atctacttgg agtcttctag 390

<210> 33979

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33979

gcaatcgact cgtacccgng atcttagagc accttttgca tgcaagcttc acttacactt 60
gattcaaata tctaacacc ctattaatca atattttctt taaaaaagtg agttaagcac 120
aaccaaagt atttacctct cgattggatg catccaatga ttatacactg gccctcctaa 180

tttcacttct ttaagaacat gacaagttaa atggaccatc gatatgggta ataggatttt 240
 caaatggcaa atagtgagca cagtttgatg ttgcagcttg tcaagatctg atacattaaa 300
 tcttttatcg aacaaactgc gtgagcatga gcaaaattct actgacatta cagtcaacga 360
 tggatagaag gaggcaacca gcggtcctat ttccccctct cacgggatct tattattatt 420
 aaagtaa 427

<210> 33980
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33980

agctttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattcttaa gaaggggggg gttgaattaa gatattcgaa actttttccc ctaattaaaa 120
 atctatctta ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaacgg 240
 aagagaaaat gcacactcag ttttatactg gctcggtcac acccttgtgc ctacgttcag 300
 tccccaaagca acccgcttga gagttncaact aacttgtcaa ttctttttac aagttctaaa 360
 caca 364

<210> 33981
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 33981

agcttttgag aaccaagcca atcaaaatgc tagacgaaat atagatggga atagaggtaa 60
 caatggcgggt aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
 ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
 gcgagaggta tatacatgga ctgagatgaa aagggtgatg agaacaaggt atgtgccac 360
 tagctataac agaaccatgc gacag 385

<210> 33982
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33982

agcttgaagt gtaagatctt gtgaacttta caagtcaaac tcttatcatg gccacccat 60
 aggattgata taatgggtggc agatcttgtg ttcaatTTTT tttttgttcg atttatgaag 120
 tcaatttcat aatataaata aacattttgc agtttaattt acaaaacata ttagtttaaa 180
 cacatttgaa aatagatttt cgaaagtgtt gaatctacac tttggaaact tagtttctag 240
 aagtacaagc attgttcaaa tacacaatta gagtacctta ctgaatctnc atgctccatt 300
 atgtatgtat tcccctcgtc actaaacctc tttggaccca ntgttctcac atcaagacac 360
 catggcattt gagactcatg gaccaccac atgc 394

<210> 33983
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33983

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 aaggaaactt ccaaagaaaa acgtctgatt aatttttttg attattctat tcaaagatat 120
 tttaattata ttattattat tttttcaaga tattttgatt attttattat tattttgcct 180
 ttttttattt aatcgaggtt acaacgtgaa cgatcggttg gattttattt taacagagat 240
 taaacgagat tacaacacan atgatcggtt gaagttcatt ttatcattta ttaggcgaga 300
 taacggctta cataaatggt aaaaatatcg ttaacagcgg aagaaaagaa natcaaaagt 360
 gaacgagatg aagatgaaag ccaacaaaac aagaaatgaa ttgaaagtct cgg 413

<210> 33984
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 33984

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catgggaaga agcccactgc cttctttact gatactatgt cctcaaatta attaaaaatat 120
ttggcgcatt agtgaaagat aaagacacca agacttttct gaagcgatta tcataaaaagt 180
tagttatatg gaattaaact aattatTTTT aattcccttc ccctatagag aacgatggca 240
atggccggct atgacaagtt gtctactaga tgtatgattt agaatgtagt cttaacttta 300
gattacttat agctttctgg tgtccacat tttttaatcg gttatcaaga tccattgatc 360
tgctactatg ttatacattg catcaaccac aaa 393

<210> 33985
<211> 412
<212> DNA
<213> Glycine max

<400> 33985
agcttgcagt ggtagtcagt taggtcttta aggacttctc ttgggtctca gcctcgctta 60
acttagtctt tgtgtccttc agagacttct gagaatcctc tgccagttgc aacaatgtct 120
cattccccctt ggcagcctca accaaagctt gttcatcctt tgcatactca acaagtggtt 180
cgacctcgtc ttggagagct agagtaaagc ttgcagtggc agtcagttag gtctttaagg 240
ccttctcttg ggtctcagcc tcgtttaact tagtctttgt gtccttcaga gacttctgag 300
aatcctctgc cagttgcaac aatgtctcat tccccttggc agcctcaacc aaagcttggt 360
cagcctttgc atactcaaca agagctaatt gtgactcgat atcagcctta tc 412

<210> 33986
<211> 377
<212> DNA
<213> Glycine max

<400> 33986
agcttggttaa aaacggaaga aaagaaaact gaaggtgaac gaaatgaaga tgaaagccaa 60
caaagcaaga aatgaattga aagtctcaga ttcgaaaact tatcggttga agaccaaaga 120
acgcacgaag aacggcagaa aatcttcacg aaattgctca cggaaacgtc tcggaagcat 180
ctcggcttgg attttcttca cgaaaacgtg ttttttcaact caaaatccct gaaatgcata 240
gggtaaaagg tcaggaggct ctggaacagc ttcccctatt tataggagaa aaggggagga 300

<213> Glycine max

<400> 33989

agtctttttgc tgcaaaattg cttccttggg tgggtgttttg gttcgtgcta aaggtggtgt 60
ttagcattgg ttgtgtgggt ggtggggttt gtggttgatt tagggatgac ctttgtggat 120
aactgggtgg tgggtaagga gaatgggtgt tattggctga gtaatgacat tgttgggttg 180
gtgagaaact tggccgtata ggaatggtag tcacagcatg ggtttctcct tcattctcac 240
cctcttcatt tgccccaact ttctcactta tcaaagtagg atgatcaaat ttgcctcttt 300
tcagaccgcg tttgatcctt ttgccgatga agaccaaata ccgaaagctt gaatgtgcat 360
acccaccat attttaatag taaaacac 388

<210> 33990

<211> 397

<212> DNA

<213> Glycine max

<400> 33990

agcttcaatg gagcttacat cattgtcctt ggatgtatta gttttacttt tatcagatgt 60
tcacacatgt gcgcagaagg aagctgggta ggaaccaaata tgggaattata tatgcgcagc 120
tgaggcgatg ccaattttca agtgtacagg tctctaattt ttgtgtgggc ttggtgctga 180
taaacaagta agttgaaggg tgattatatg aacgcttggg ggtgggttac tacttactag 240
tgctctttat tttcttcata aggcctaagg ggtaggcga tttttgttta tatcgcccta 300
tagaatatat gtattcttgc ttacatttat gagtatgatg gattaattta ctttctatag 360
tgagttggag atcacttatt tagaagatca ctcttat 397

<210> 33991

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33991

agcttaatat gggtaaatat tncattatt gacgtgcata ttgaggacct tccttcaacc 60
tcttcttctt cctccttctc cttgatcttc tacataccac atagctctac tcatatgcct 120
atgaagctgc tcatacaagc ttttcagatc tatgtgacac gctctcacat acccaccact 180

ctcactcttc ttcattcttc tatctctctc tctatcacac acacacgcac acacagcact 240
 tttctnttaa aaattcacaa aattcaccac acaccctat ggactttgaa gctcatagc 300
 acttgcaata tcaaaacatg caactct 327

<210> 33992
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 33992

ttgtgtggat cggccaccac cgtctggac gatagaacga cacatcaatt gcatttcctt 60
 ttccatgtct tctgttggac aatggtttg aaaagcatcc gactaagcac acattggacc 120
 ttatatgacc ctccccctta tttctctgca tcaactgtgac ccagaaatat tggggaaaac 180
 gaaatcatct attaaaacat gatcatatct attaaatctt gtcgacatca tagtcttcat 240
 tccaataaga ctattctgtg actctccatg ttaatctctt ttgcgactca tacgggttgg 300
 tgatcctatc atttgacgcy tatccactat catcgtgtgt atcgatacca acc 353

<210> 33993
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33993

agcttctatc atcgattcat ctaacagtac atgcaccttg ttgtgccact cataaattta 60
 ttgaaagcaa acaagataga gtggtctcga agggccaata cagctctaca gagttaaaaa 120
 atgttatagt caccaccct atgttgcaac tccctaactt ctccttacag ttgatccaa 180
 agaccaatgc ttcattctct accatcaagc ctattctctc ttagcaaggt cacctagtgg 240
 catatcttag tataaaaaaa actctgcaca aaaatgcaat ccgcatcagc ttgtgcaagg 300
 gaaatattgg caattaccga gtcagtgaag aagtgggtgac actatcttat tggcagcaaa 360
 ttccgcatnt ctatatacca acata 385

<210> 33994
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33994

ntgtcccccac ttccttctcg ctgaactatg ctcaacttta gcaaccattg aacgtctaga 60
ctaaaacaca ctaagctcag cctcagatc cctcccgatg gattaggctc agcttacaca 120
acctccgtac gcatagacta cattaaccta cacctcactc cacagatccc tcattcacca 180
ctaggcctaa atcacaccac atcttcatca cctcacatga agaactactaa cactcaatcc 240
gcagatccct aatccaagac taagtctcac tcccgttct atcacgtcct caggcaacaa 300
taccatcttc cagcctcaa gtcacctacc tatacacaca aaccgggcca tcagaccaag 360
agcctgtcta aattaccac tgaacatata tacacacatt caatca 406

<210> 33995

<211> 530

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33995

gtaccgcaaa cgattccgtg ccaggaaata agaaattana gacaccgtca aaaanaaaca 60
gagagtgaac cntgtgacac ctggaanaca tcggcgaanc ganctcgac ccgggatcct 120
cagaccgacc cgttgtatgc aatctctgga accgacgccg atacacaagc gagacgcatg 180
aagcgaccaa cagtgagcag ccgcaactaa ggctcatcta acaacacaac atggcgctcg 240
aagcgtcaca ccccaaacca ccccgaggac caccgctcga cggcacgaaa ccaccagctt 300
gaccgctctg acgaactcga caccatoga taaacaacc gcgaagctcc gcgacgcggt 360
ggcgagcgaa cgaaaacact atcgggcaat ccgcaacgcg cacaacacct ccgacgccga 420
agaggggacg gccgcgcaat accgacagct ccctgacaca acacacccaa aacacgcacc 480
gcacgcagcc tctaggccgc acaccgcacc caaacaaaac accaacaacg 530

<210> 33996

<211> 404

<212> DNA

<213> Glycine max

<400> 33996

agcttaaata aacattatctt gaattgaaag tctcggattc gaaaacttac ccgttgaagg 60
atgaagaacg acgaagaacg atgaagaatt tccacagaat cgcttacgga agcgttacag 120
aagcacttcg actcgattttt tcttcacgaa aacgtgtttt ttgccccaaa tagccgaaaa 180
gcatagacca tgggggtcttg aacattttga aacagctcca ccctccccta tttatagaaa 240
aaaaggaggt gcttgccgcc caaagactta atgaagaaga tttctaagcg caccgaatt 300
actaagttca cccgcctttt cgaattttac agaaaagtta cggaagcctt acggaagtgt 360
tttogaatat gactttcatc ttttttgtct tccgtttcac caat 404

<210> 33997
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33997

attgttttca attatgagca tctcgatata ttacgggact caatcgtgtc atccgagtaa 60
aaagttattg tcgtttgatt tttctcagag cttcagtttt caatttcgag cgtctcgata 120
tactacggga cacaatcgga catccgagtc aaacgttatt gtcgtttgaa tttgcttaga 180
gcttttgttt tcaattacga gcgtctcgat atattatggg gctcaatcgg acattcgagt 240
aaaaagctat tgctgtttga tttttctcag agcttcaatt ttcaatttcg agcgtctcga 300
tatactatgg gacacaatcg gacattcgag tcacaagtta ttggcgtttg aatttgctca 360
cagcttctgt tntcaattac gagcgtctca catattacgg gactcaatcg gacatccgag 420
ctaaagttat 430

<210> 33998
<211> 388
<212> DNA
<213> Glycine max
<400> 33998

agctttgcag cctattcctt ccttgaagta gctatgggtct tttctgggtgt cctcttgatc 60
tccctatttg aaacttcaac ttgtccattt gtttgcggtat gatagagtga tgctaatatg 120
tggtgaacat catattgttg gaggacgttt gaaagttgat cattacaaaa gtgtgtacct 180
ccatcactaa tcaatagtct aggcactcca aatctagaaa agatgtttct cttaagaac 240

ttaatcattg tctttgcac c attgattgga ctagcaattg cttccaccca ctctgagaca 300
tagtgaccca ctaccaagat atattcattg ccaagggagg atggtaaggg accaacaaaa 360
tcaattcccc aacaataaaa gacttcta 388

<210> 33999
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33999

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tttcagcttc caaatgtcca tctagtttcc acttacatgt agaagagtgc tattaaccat 120
attccccata gcatgatagt aagtcgattt ttttgagaaa gtgccatcct tggatgaactt 180
ccatagaatt ttatcaggat tgtgtgagag gtaaatgggc atggaaaatt tttttgcagc 240
atcaataggg gcaaatagat tatgaataag agtctcattc catgtggccg atgtatggtg 300
aataagggaa tttactgtta aattcgagag tccatcaata ggaggagaaa caatatatga 360
attttgtgga tcatgaagcc aaggattagt ccaaattttt atcttgtgtc catctctcaa 420
tctccttcta atgtcatctt t 441

<210> 34000
<211> 321
<212> DNA
<213> Glycine max

<400> 34000

agcttttgag cttccatgtg ccaatttttc ttcttcttta gtccagtctt cttctggctt 60
caattcatca gtgggctctc cttctgtgtg cagcatctag ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgacgaca gccaccatcc ttgctgtcca 180
gtatccatag ttggttccat ctacgattgg tggctctgtg actgtgcctc cttctatctc 240
catgtgcac cagaatttatt tccctatata tcaactctgtg atctcgaatg ttggctcttg 300
atccaatcga gattctgatc c 321

<210> 34001

<211> 370
 <212> DNA
 <213> Glycine max

<400> 34001

taatgtaacc tttttagact ttgaaaactc tacggctgag cctaggcttt agagtttccct 60
 tttgttaagg cattatgtct tttgttcttg aagttttaat ataaagatct ttcttcatct 120
 gtctctgcgc ctctacccat tctcattaat ttgcatgttt atttctttac gcttaaaatg 180
 ccagatccga cgatgagtcc ctccaaggta ctaataccca ggacttggcc gtcaattttg 240
 agcaagaagc gggtcggatg gagagtgaag aggaacgacga tgtggggctt catccacagc 300
 tggagacgat aatcgcttat gaggaccgag agatgacgcc tcatcaagat gagacggagc 360
 tcatataactt 370

<210> 34002
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 34002

tttttatgca agcttttcag cacgcttcca tcaagtgtta attaaagcac acggccttca 60
 agtacgtgct ccttaaacct ccattaattt tcagctttac cttctactcc attgttggtt 120
 cttcattttt ctccatgtat ctccctacat ttcttggtct gaatttggtt agcatgattt 180
 tttagaattt caaccgatta aacttggtat ataagcaaga tttgattttc tatggttcaa 240
 attccttggt cttgttcttg aaccatgaat tgtgttaagt ttaagttcct ttgagttttg 300
 cattgcaatt cttttttttg agaccacaac catt 334

<210> 34003
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34003

ctattataat catgcattca atccacaatt accatttttt aactatacta aaactgcatt 60
 ttcaaggagt caagctaaac tgttctatct gtatcacgac tttcaaaatc tttccaaaac 120
 aaaaagtata ctgtaaacca tattaacata ccacacaacc ataatangtc atatgtacta 180

aaaatcgtac aaccaataga ccacacaaac ataataatta aaatgtacta agaacaagat 240
aattataata ataataataa taggaggaca ggtaatcaga tcttgtcatt catcccaatc 300
ttgctcctca ttatccanat gtagcactgg agtcctcgaa cgagtagtaa tctgtccctc 360
ctcctcatct gaaaaat 377

<210> 34004
<211> 394
<212> DNA
<213> Glycine max

<400> 34004
agcttggtcag ggtgaggagg tgaatagcac taaggaaatg catctattca tcaatgtagg 60
tcattcaaata gaaaggtctg tgggtagaac ggattgaggt cgaggctgct cccacgtatg 120
atatctaaaa tggactagca taacatatct ctgtgtcaga gctacttatg taaaggatta 180
ttttacaaaa ctcaaattgt aaaaacaaca ttcagggggc aaatagacaa agctgatata 240
actggtatcc acaaatagaa gaattcacac atcagtagcac agagacgcat agagagaata 300
acgaaccagc tattatctat tgattactga aaatagtgtc tcagcactct cctctactat 360
gagttttccc tcaaatacct ctgcatact actg 394

<210> 34005
<211> 411
<212> DNA
<213> Glycine max

<400> 34005
tgcccttctg atccgaagag gctgaccctt gcggagtcg tcgagagcga aattgacctc 60
gtcaacgtgc tccatcatct ctccgaactc ctgcgcctcc atcagcgtcg acgtcgccgg 120
aatccccctc gccggcgccc gctatgccct cttcgactcc cttgctccgc ctgcgccggt 180
gccgtttccg aagtcgccga tctccgaatc gaaaaaggac caacgctgcg aggacgagtc 240
ctgtgaggag aacgcgaagc cgcagagagg gtcgtctatc tcctgagata aggaatccct 300
gaatggctcc gcaacgtcgt cgtttagaga ggacgagccc gaatacgttc ccgaaagggt 360
ttctctgcgg cggtcgcacg tgcggacgat catcttatac ggggatcggc g 411

<210> 34006
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 34006

tgtctgcaac ctcataaagg tgcttggcgc attagctgag cctaaaaagc atcactagcc 60
 attcatacaa atcaaactta gtcttgaaag cggttttcca ctcatcagcc tttttcatcc 120
 tgaattggtg ataccactt ttaagatcaa tttttgaaaa gatattgtca ccatgcaact 180
 catcaagcaa atcatcaagt ataggaatgg ggtgcctata ctctacagcg atgctgctga 240
 tggccctgca atttgtacac attctccacg taccatcctt tttgggcacc aacaacactg 300
 gcccaacaca tgggcttatg ctcttttgac ccagcccttc ttaacaatct tttacctgaa 360
 atctatctcc tatctcctga g 381

<210> 34007
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 34007

cttaatggag aatgaagaag aagaacattt caacgtgttg tggagagaga gctgtctgaa 60
 aagtgtgggg gctgagtga gagagagaaa agctcttcgg tttttaaat aaagggtttt 120
 ctctttttct attattttat tcaagctctg ccacatgtcc ctatttgagt ggagcaaaag 180
 ggcccacttt ctttttttac tgtgaccac actcagccac aaaagtgaga aaaatctgac 240
 ctttgaaatg ctaaaatcct gcctcggttc gctgtcgat tctctgggtc tagtttctcg 300
 catttctctg cgtccgtcgg ggccggttct ctaaagtaac caatatatat atcataacgc 360
 tcacaataga accacgagcg tggttc 386

<210> 34008
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34008

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tcattgttat catttccctc tccatcattg agggcactac ttgagctacc agatccctat 120
acctttgggc atattctttg aaagatctat gctcgttttt acacatgttt tctagctgta 180
ttctatccgg agccatatta gaattgtact gatactgcct aatgaaggca accattangt 240
tcttccaaga atggactccg gaaagtttca gattcgtata cctgggtgaca gctgccccaa 300
taagactttc ctagaagaga tgcattaatt tatcattctt caagtatgcg cccattttctc 360
tgctgtacat cttcacgtga atcttggg 388

<210> 34009
<211> 239
<212> DNA
<213> Glycine max

<400> 34009

cggacctact gtgaatagcc caaaagcacc ttctattttc tgaagtgggtg aacccgatgt 60
ttggatgctc tcaatgacat ctaactgtcg ctaatgaacg actttgacta actatgcccc 120
attatatatg agtaatacct ataagctcta tacatatgac atgcatatat atatatatat 180
atacataaca gaccctcaaa ccacctataa atatatacat tgatttactg acatggctc 239

<210> 34010
<211> 391
<212> DNA
<213> Glycine max

<400> 34010

agcttctgct ccaaataatc ataaccccca cgagacaaaa cgtggggggac agtattctgc 60
ttctggatgg cctgtgcctt cttgcgacac tcttgaaaaa attaaacaat aatgtttgaa 120
atgggtagaa tgaagtataa caacatcatg tttaatatga aaaacaactt aaatggcaag 180
gaacatacct cctaagaagg gtctctacga gtctggcaaa aatggggtca cttttccttg 240
ctgatgccgt atttctcata gacattgtcc tcgacactgt cctgatcggc tgcaagggcc 300
catttccctg tgaggtctga tttaaaccct cttcatctct caccacgat ctgcagaaac 360
ttcttttcat cctactatca aaagcctcta a 391

<210> 34011
<211> 432
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34011

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tctaatttgg ttaagcatga aattctgcag catttgcaaa gcagattcaa attaattgaa 120
gttatgtacg agcactgtag cttttacaaa aataagcact gcagcttatt taaggcacia 180
attctgcagc atctgcaata tgtgggtgtg tttcaatgtg tgtgtgtgtg tttctgtgtg 240
cgtgtgtgtg tatgtgtgtg tatctctgtg tgcgtgcgcg tgcgtgtatg tgtgcgtgtt 300
ccaatgcgcc tgcgtgtgcg cgtctccgtg ngtgtgtggg tgagaggctg cacaatgtgc 360
gtgcgtgtcg cgtccgaga gcatgtatgc cagtctgtct aatcccacgt gcgcgtctcg 420
cgcgagcgcc cg 432

<210> 34012

<211> 343

<212> DNA

<213> Glycine max

<400> 34012

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tggctagaca atattgccac tgaaattcat accttaaact atcgtagcat ctatattaat 120
gtgaatttgt aacttgtcag tccaataaca tagaacatat atctacactt ctaccatgct 180
cagtgaaca ctacaatgtt gacatgatta taatattaat aatgttaaatt ctctgcatag 240
cgatggctgc ttatggcggg aagccacaat tctgtcatat ccatcatgga catggagtgg 300
cagactatat atatatacac acacttctac tgacaaatta tta 343

<210> 34013

<211> 250

<212> DNA

<213> Glycine max

<400> 34013

ttaagggttt gctgcattct gagtgtgtct ctaagttgac tgaccacgca ctgtctattt 60
gctcagttgt tgctcacttc tctgcagcac tcatggttat gcttaaacgc tcttatctga 120
acagagatcc tcacttcatt ctttgtacag tagattttcc aatcacaaaa tgccttattg 180

ccttttgctc tacccctgtg tttatcattc ttctctcacc tgaactccct gcccatcaat 240
atgctatact 250

<210> 34014
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34014

taacctctga atccaagaaa gcactctgat ttctgacggt cttggcgata aaaatgggtca 60
ttgaccaatc cctattctat gacttgaccc aattatctac tgaaggtgca ccatttgacg 120
gtgcactaaa tgatgattgg agattcgatc tctctgcgca tgatgccgc caattgggtt 180
tgcaccaacc tcacgaatat caccggacgg ctgcttgctg gatcattggc ttttgaaaac 240
cgcacccctc cctatcttat tggctgtatt ctacttccaa gatcttcaca cctagcacag 300
gtttntgaag aagatcttat agttatgtgg gctttccata atggctcgaca aactgatt 358

<210> 34015
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34015

tgtcaaagcc ttgtatggat tgaacaagc tccaggttct tggatgaaa gactatgctc 60
attcttagtt cagaatggct tctccagagg aataatggac accacattat ttagaaaggc 120
tcagaaggaa aatctactta ttgtacaaat ctatgtagat gacataatct ttggttcaac 180
cttagaaagg acgtgcaaga agttttttga gctaacgaaa ggtgaatttg aaatgagtat 240
gatgggtgag ctgaagttct tcctagggct tcaagttatt cataaagatg atggaatatt 300
catccatcaa gagaaatata caaaggatct acttanaggt tcaagatgga tgaaacccaa 360
cctatggctg ccctatgca tccaactatt gtcagtgcaca aaggtgagaa acacaatgat 420
actc 424

<210> 34016
<211> 412

<212> DNA
 <213> Glycine max
 <400> 34016

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 gcacaacaag ttttccacat ccacaacgcg cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaca acaacattca aacagcacia 240
 actatcacag ccaagaaaag cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 atcacagctt ttctcactta aagaccccaa taacaattcc ttgatccaa tttgttgacc 360
 gttggatcga ctccaaaatt ttactggaag tctctagtac ataagcctac at 412

<210> 34017
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34017

ntaacctaat cgtctctcac agtcttttaga tttgggagcc aatccagtcc ttgtgttcgg 60
 actcttagcc acttatgata gccgcgatg atcccattac tgcttcccct aagctctctg 120
 ttctttcttc acgccacatc ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180
 tcaactgaaac ctcggtcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg 240
 ggacatcctt cgcataga tagaatcctg attcttcctt ccttctagcg aggaaccat 300
 ttaacagacg cccctccatg ctagccaaga gttggtgcac aacaaacaat tcttgcgccg 360
 ctcttttcac atccccggtc gaacgtgtca tacatggcca aaatggcgac gaccgggctt 420
 tccttgccat gatg 434

<210> 34018
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34018

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cacagtggcc aatgatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggccac aaaattcgaa aatctgaaga tgaacgacga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcncagac atttgcaact tgagagtgga 360
 tgaactcatt ggttccctta tacctttgac tatgactctc gg 402

<210> 34019
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34019
 tgggtgcttgg tttgtgagag gtagatctct cttagactat ttctcttggc tttctatct 60
 ttactctttc tttttccctt ttaatattct cctttttta tatgtggtag agtttcttaa 120
 ggggttacaag tgggtggtcc atttttccat ttttaagcatg tagaactgtg gaaaaaagg 180
 aaggggagtt tttacaaatc cttggggtct atgtgtgttt gcaatgcata gagctttaat 240
 ttttatgttg tggaatgttg tgtatttttt tcgtatttgc cttcgccaat gcacttagga 300
 cttctttggt tggtattatc tgtcttggat gccaaacttg ggttccttga acccaaaatc 360
 ctaggaaagc atataaagtt tgggtgaattt gggtttgtgt agcaaaagtt atgtaaaaat 420
 caagttttga ac 432

<210> 34020
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34020
 agcttcaaga aaaagttggc cttagcaaac tgcttatttc tagaaggga ttttatcaat 60
 agacctocaa tctttaatgg agaggggttac cattactgga aaaccggaat gcaaattttt 120
 attgaggcaa tagacctaaa tatttgggaa gccatagaaa taaggccttg tataccacc 180
 acagcagaaa gaattacaat agatggtagt tcatcaagtg aaagtataac tatagataaa 240
 cctatagata gatggtctga tgaggataga aatgagtag aatacaattt aaaagccaaa 300

aacataataa catctgccct gtgaatggat gaatatctca aggcttcaaa ttgaagactg 360
ctaacgaaat gtgggacact tcttgattaa cacat 395

<210> 34021
<211> 452
<212> DNA
<213> Glycine max

<400> 34021

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taaaagcaga aattaaatgc acaacggata gtaaaagagt agggaagaag gaaacaagca 120
cacaagagtt ttatactgg ttggcaaca acccgtgcct acatccagtc cccaagcgac 180
ctgcggtcct tgagatttct ttcaaccttg taaaaatcct tttaaagca aagatccaca 240
agggatgtac cctcccttgt tctctttgaa cctagtgaat gtaccctcca ctagaactga 300
tccacaagag atgtactctc tcttggtctc agtcaaacc aagtagatgt accctccaat 360
gtgtcaagac aaagatctca tgcggttaaa ccttccatac tctgtgaatg gcgatataaa 420
agaactctca cgcggttagt cctttgaaca ct 452

<210> 34022
<211> 400
<212> DNA
<213> Glycine max

<400> 34022

agcttcttcc tctggtgacg aaacacgtgg cggtgccagt gggtttgccg gaggtgtttc 60
acattgacca cccacactac cgccaccgcc acggccactg aaacatggtc ccctacggca 120
gcgtcatctg gcacagcggg gctgctaacg cggtcgccc ctgcgccact actagatatt 180
cacttgctc tctccacga ccaactgtata cgccgtcgtc acccccacca cctgcgaaac 240
cacctcccc accaggagca cggtcggcgc gggtttgac cttgtggaca gtgatgttcg 300
gccgccaagg tcttggttgt gcaaactcgt tttcacaact atcactccct cttgaagcat 360
cagttagagc tgctggtgtt tccatgagcc acaaccaagc 400

<210> 34023
<211> 309

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34023

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gagatgggttg cattcattca agggcaacag tctacagacc tgggatgagg ttgctgagaa 120
gtttctaaaa aattatttcc cagagcctaa aattacaatg ggaaaagttg taattccttc 180
gttccatcag tttcccaatg aatctttgag tggggcatta gaaacatttc ntaacttggt 240
gaggaaaact tccactcatg gttttataca gcctatacac ccgaacatnt tcaactgatgg 300
gttacagcc 309

<210> 34024
<211> 186
<212> DNA
<213> Glycine max

<400> 34024
agtctcggtc atcattttcg tacatgtgta tgaatgctcg ttgatcgagg ccgtacccga 60
atcaaataaa catgaaaatg cagtaactag gaagtgatcc taggtcggtt cccaacgagc 120
agtgacaaac caaatggtca taatatactt gcagtaacag taacgattgg gggggggggt 180
tcgtat 186

<210> 34025
<211> 324
<212> DNA
<213> Glycine max

<400> 34025
ctaagcttca tataagctga accattttat cattaaacac ccgttcgagt tttattcaga 60
acatttgagt tgatctcttt catcttagtg agagtgattc tcctacgttc ttgagtgatt 120
caagaacacc ctggctatat tagacgactt tcacaacctt tgtgtgttgc cttcgccgga 180
aagattgatt atttccttct tttgatctct aaccttggtc tttcaaacca taattcctga 240
caattcactt ctgcccacaa tcatctcatg gccatcactc tcgttttaca cgctcaatt 300
aagtgatttt tgagcctaaa ttga 324

<210> 34026
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 34026

agcttattca gaatgataac acggtaaatt taaagaacaa taagtagcaa ttacttacaa 60
 tttatgcact atgtcacaac caatdddgtct tcatgcagac gatcttcagt tatcacatta 120
 ctctgtgtgt cgtcattctt ctctttgtca aatgcatact ccagttgtct ctccactgac 180
 ttgacaattg ctgttcgctt ggatcttaac ctgtatgggg gagatgcatt gaatgcctta 240
 ttgttgggaa tgtcaatccc attgccatgg ctgtctggac tcttggagaa atgccagaa 300
 ccagaatcat catcggttct c 321

<210> 34027
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34027

acagcttggc tgttcggaat actaatgtca tatatgctag ggttattgat agtacgtacg 60
 catagccacc cacgttgggg aatttatgca gattatgtgc tggttcattt gaatatcgag 120
 ataatactgg ataaatctga aatcgtgtat aacactctca gattgaatca aatttcgggg 180
 ttcaaccaa attgctcaat cgaataaaat cagaagatta taattcaaga gttttgtttc 240
 ggtcttgtat gttttgtcac ccataatgct ttctgaacca aaatgattat tcatgatcaa 300
 agaacaggcg gctnttggcg gctgatgaac acgtgcgttt tggcggctga tggaagttct 360
 atctttctta aaacctgcct ctttctgaaa gtcacttcna tgtaatttcc agaatttgcc 420
 tacaccgaac atct 434

<210> 34028
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 34028

agcttcttgg aggtttgatg gatcctcctc taatgtataa gccatataat cggaccata 60

atcttttagca attcttgctc tcttacctct tcgaggtctc atatctgggt ctggttgtgc 120
aagattttct actaatagta ggaagataat tggatgaagt acccccacta ttccttaatt 180
taaaaggaaa tctattttca taaaaatcag catcatttga ctctatgatc acttttgcgt 240
ttacgtcata aaacctatac gctttgctat taatagcata accaatgaac acacattcat 300
aggctctact tgcaagttta accctcttat gatctgcgat ccttacat 348

<210> 34029
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34029

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tatcatcatt tttttctccg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
taggcgtatt cttttgaaag attcgtgcc cctttttgca catgttctgt agttgcatcc 180
tatccgaaga cattatactg acactgccta acgaaggcaa ccattangtc ctcccangaa 240
tggactcggg aaggttccaa gttagtgtac caggtaacaa ctacccagtc aagactttct 300
tggaaggaat gtactaacaa ttctctatct tttgcgtatg ccncatctt ccgacaatac 360
gtcttttagat ggttcttggg gcaagtaatc cccttgatct tgtcaaagtc cagtaccttg 420
aacttgag 428

<210> 34030
<211> 329
<212> DNA
<213> Glycine max
<400> 34030

agcttgatg attatgggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccataccc tgttgcccac 120
ctacaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
cccatcaat actgtcaagc ttccacaaca tccaagcaaa acaacattca aacagcataa 240
gctatcacag ccaaacaaaa gcagagcata ggcagaaaac tctgctcaaa caccaaccaa 300

aatcacagct tttctcactt atagaccac

329

<210> 34031
<211> 431
<212> DNA
<213> Glycine max

<400> 34031

ccgcttgat agttcccaa tttgtagtca ttttgagta aattttgtaa ataaatcttg 60
tttatggcta acactgtctc tagaacaatt gcacggact taatgatgaa atctgtgcat 120
tttcaggtga aaaagacgct aagttttgaa ttgcaaaaag cagcagttgg gctaagcgca 180
tatccatcgc taagtgcagc ttcagcacac ttagcgcaaa ggagaatctg gcagagcatc 240
aacatcaaat ttgtgcgcta agcacaacaa gtgccttcag ccacgctaag caccagactg 300
gcgctaagcc caatttcact tatctgtgct aagcgcacag gcggcgctaa tcacatcacc 360
gcgatttcgg gcctattaaa gcttgtcttg gcataatacg gtacacttta caaacacteta 420
ggacttgaag a 431

<210> 34032
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34032

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agttcgacta ttctgaactt atcctcactt ttttgctctt tttctttgta gtggactcct 120
tcaaataag gtccttatat ggaccttgga gctagccatt taccactgtt gcaggcattt 180
taaaacacat taaaactgc atgagttgcc tcattcatac aacaaatgaa tgatagtgta 240
ataatagctg acattcttat ttaccacata atcgacgccc attgactgat tatgactcac 300
atcttaatat tattata 317

<210> 34033
<211> 377
<212> DNA
<213> Glycine max

<400> 34033

tgggttaagt tgagttggtt catcatattg agaccattat gttcattaat atcattaatt 60
 tgtataaatg ttgttacaat ctacatgtgt atatcatgct gcttatgaaa tttagtttat 120
 tacaaaaact tcttgctctt aattttgata tgtatggcgt gacacccttt accccgacat 180
 atacataaat aaataaaata tgtaaataata ttggtaaaca aatccacgtg ggtaaaagat 240
 tcacattcac ttcactatta tcaaataata tttgtataaa tgttgtttca atctacatgt 300
 gtatatcatg ttgcttatgc aatttacttt attacaaaaa tttcttgctt ttaattttga 360
 taatggatgg tatacat 377

<210> 34034
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34034

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 ttaaataatag tcaacaacaa tagtttcaac cgcagatacg tattcaacaa ttgagggtcac 120
 cctaaaaatg atatacaata atcattaatc tcttgccctc ttcataatct tcccgtttat 180
 gtggacttct tatttactaa gtgggttattt cttaaaagta tttatcaaag cggtagagtt 240
 ttaaaattat ttatctacta gaggttaattt ttgtcatata aaatgtagaa ggcattgatcg 300
 tgagtgcagt cttgtgtttt tctgttgcct actaatagga tgcaccattt tttttgactt 360
 cttcttttca cgtattcagt cagtat 386

<210> 34035
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34035

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 gtcacgatg agaccatcgt tgctgtcatt ccatgttatt acaaaattgc cactaggtgg 120
 cattctaaga cggtcataag gaatcgcctt agattctgtg acgtaaaaaa aattctgtta 180
 attacaaaaa tgccatcgtg tggcattcta aggcgggttct acagaaccgt cttaaattca 240

ctgtcgtaaa aaattaatTTt tctagtagtg gtaattgcat ctttcgttaa agatcacaaa 300
 caagcaacca gaattatatt aaaaccaaca tactgataaa gtggcattgc acganacact 360
 aatacttcat tgtgaaataa aaataagaac atanaatgcg tggaaataa taa 413

<210> 34036
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34036

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 tacaagagtt accctgagct ctctgatgcc ttgggcaaaa tgttttagctc cttcaccatt 120
 ggtaactata attaatccat aatttaccat acattaactt ttttttatat agaatttaat 180
 gactgatcat aacttttacg tatcagtatc tagtttgttt tctctttaat ataactacca 240
 aaagatatgg atcttanatt tgattctgta gaaagttaac taatgggtgta tgtgaatata 300
 aaattgaatc gtgcagctga ttcatggta ttaattattg gtgtgttctt gatataattta 360
 aggaaattgt gaatc 375

<210> 34037
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 34037

tacatatact gacactacaa tggaaataat atgcacttcc taacaactat acataacatt 60
 ttgttcatgt attaatgaga caaccaccag gacattgctt gctcatataa tgaggccgac 120
 aagacaaata tggatgcata attgctacat ttcaagcttt ttgagttgta aactgattca 180
 ctttggcctt gggatttggg gaataatata agaatgactt gttggaattt cgatactaga 240
 tatatcatat cattgctcag aaattaatat atgatgttta ttctgatgat gatgtttatc 300
 aagcctaatt agtttctgat gtggttcaca attaactaag aagtagcatg tagattaa 360
 caaaaacgaa aacacatata gattcctgtt ataaagcaat tcagtgatac aaaacacata 420
 attaa 425

<210> 34038
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 34038

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 gtgctgatac cattaactag tcaacagggt cttgagcggg ttgagggcat caatactata 120
 tttggaaaga cccaaaagaa gaaaaaaaaa agtaaaactt ccatatggaa gatgaggctg 180
 atattgtttg atcttcata ctggttcgat ctagatgtca tacattgtat tgatgttatg 240
 catgttgaga aaagtgtgtg tgatagtgtc atcgacaatc ttcttaacat tcaaggcaag 300
 acaaaggatg gtttgaatac ttgccaagat ctagttgaga tgggtatacg agaccagtta 360
 catccaaggt ttgatggtaa gaaaatatac 390

<210> 34039
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34039

ntgagaattg cccaaactcc ctctcccttt ctaatttcaa gcttaaatag gtgaccttgt 60
 tgggtgcttg acgcttagcg caactccgac tcaacttagcg tgcataagtg aatttcggct 120
 tggcgctcgt cttctcgctt agcggatcca tacaagtggg gtgcttagcg agatgagccc 180
 ttgcttagca tgtgtgtcta gctcatcctc attccagatt cttcctcgcg ctcagccgca 240
 agagtgggtg gctcagcgga tggctcgcta gcgagaagtt gaaaataaac acttcataaa 300
 cttgcctaataac taacctgaaa ttgaaaggaa atgattatta aatacataaa aatggagtag 360
 taagtactta ttacctatat ttaacanana gtaattacaa cactacaaaa taaccataaa 420
 tgggaggagt tagatacaat 440

<210> 34040
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34040

agctttataa gcacatgtct gggagacaaa gatcaagtgg tcacgatata cgaagatgat 60
gttccgagta cattggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acgagcataa tgtaaacatt tacggttnta 180
aaagctctat agttgggcct atgctttaga gtttttcttt tgttgaggct ttgtgtcttt 240
tgtttttgaa tttataatac aaggatcttt cttcatctgt tcctacgtct ctacccattc 300
tcatccattt gcatgtttac ttanttatit ctgaaacggc agatccgatg acgagtcccc 360
cgaaggtact aatacctgtg acccgtctat caacttcgag c 401

<210> 34041

<211> 394

<212> DNA

<213> Glycine max

<400> 34041

tccatcacat tctaaatgta gtttggagaa tgaacgatct gctttcttgt aacataaacg 60
tttaggtcac atttctagag aaatgatgga aagattaata agaatagaaa ttcttctctga 120
tctacatttt acggatctaa ctatttgtat ggattgtatt aagggaacac aaacaaaaca 180
taciaagaaa ggagctacca gaaacactcg gcttcttgaa attgcgcata ctgatatttg 240
tgaatcattt gatgttaatt cttcatatac agaaaaatac tttatcacct ttattgatca 300
ctattcacgt cacggttatg cctacttact gcatgagaac tctcaagcag cggatgcctt 360
ataaatttac ttgaatgaag taciaagaca atta 394

<210> 34042

<211> 321

<212> DNA

<213> Glycine max

<400> 34042

agctatttct agactcatct tctctttgaa gtgacatctc ctctctccct tccttctcca 60
ttccgctgcc actcatcttc caagaagtaa aggaattcat tgatgaagaa aatcctagac 120
ctacaagctc caatggagcc tacatcacca tggtagaga agaaactcta cttctttttc 180
ttttgggtct atgttcttct actgaggaga ttgattgacg aaatgggtcg cgtagaaatt 240

<223> unsure at all n locations
<400> 34045

tgcccttgaat ttctactttt tcaggtattg tttgtttgag ttatattagt ttgttaaadc 60
tcattttattt taaattttatt cctcttaaac tatagggtga caaaataagg agaagaaatg 120
attggaggag atggatcatg cctgggtggc aggttcctaa tgtagagggt tctcaaaccg 180
ttggacagct ggctgaacga gttcaaaaca ttactctgga gagaactaac aataacgatg 240
ctggagtatt agatgtttca cagaatagac cttttgggga tttgaatagt caatatctcc 300
attccactag cgagggtact gctcaagtcg gtattcaagt ttcagatcat tctatttctg 360
caagaaatta gagctgcaga tggtctttac aaacattttt tgaagaatat tcttc 415

<210> 34046
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34046

agcttatcaa acaaagggtgc tgctttgtct tggggaagac cttctccag atatcccaac 60
ttgctgtcag tagattctag attagtttgc actaggatag aagtggagaa gtctaaaatg 120
gtagtaggggt ttggtagcag tacatactag ttatatgcat attgaaacaa tgtactttgc 180
agtgtcctccc cagatgaaat ttgctactg ataccttcag gcacaaagta tatagtcaat 240
gcttattgga caatatagtt agtacttaca agagtacatg tagcttaaata tcaataactta 300
gagcactata gcacatacca agataagagc gctagtacaa gaagcattct agccttacca 360
gcatanacac gatcatanac tct 383

<210> 34047
<211> 247
<212> DNA
<213> Glycine max

<400> 34047

cgtgggtgcc tcggcatgga tacctgcaaa tcggttctcc cgctgggtgg ggtctcgtat 60
ggcggcgtgg acacgctcat atgtgtctgg gacttgaaga ctgatgagag agtgcagact 120
gctcacggcc atgctcgtgc agtgactcgc attgcctttg acgatggcga tggtgtctcc 180

ttttctgttg actcgtaggg cattgcaatg ttataatagc tttaaccatt ccatttgttt 240
attatta 247

<210> 34048
<211> 396
<212> DNA
<213> Glycine max

<400> 34048

agcttatctt ggatattttt catctacaga acagaatatc cagtatttag caaatatttt 60
caaactttgt aatgcagat accaacaat caaaccttga catatgacag acctaaactt 120
ctataatctc ataaattgct tttccacat ctaactctta cttctcaagc tgtatgtttg 180
catgcaatcg agatccttga aatgaatctg aagtattacc atcgtttagac gtgataccaa 240
catctgcata aacataaag ccacaattct actaaggaaa ttgagttcaa caattaattt 300
ctacactcta aactccgga atcatagaga acatatatta attacatatc aaaaaagatg 360
gaaataagag aagacactaa cagctacaat tttcta 396

<210> 34049
<211> 424
<212> DNA
<213> Glycine max

<400> 34049

gcttgccaca aacatcaagt tctttgaatc ttttgatat tgtttctatt tctgccttga 60
tgctcactta gggctcagat aacccttggc cacaaaaact tagtctccaa caaacatat 120
ggattgaatc caatgggatg caaccaccaa catatttgga tagctcacia gcacaaggaa 180
gaccacgctt ggttctcacc acacaaccac aacttgaagg attcttgcca gcatagtcaa 240
cacgctctat ttcaacaaca atcttattta aagcatacct tgaaaccatt ccaagaagcc 300
tcttgataaa cgtttttttg aagacatgct caacgacatg tgtacttggt tcaaatgatg 360
ctttaatctc cgtgtgctgc aacgtaatca tgttgttcat ggcattctac aactgcata 420
agtc 424

<210> 34050
<211> 374

<212> DNA
 <213> Glycine max

<400> 34050

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agcttattca caggagcagc aaacctcaac tcaacagggc aaagatcatc atatattctc 60
tgtccaacag actcagtctt ctcatgggac ttcttctctg gaacatgaga aatgaatgta 120
tcataaattg tattgctata aacagacttt tcccgtacaa ggtctgtggc agatgagttg 180
aatgcaattg gatggtataa caaaaaagat tttggttttg aagaaccaac ccagggtttcc 240
tctccatctt cagcaaggga gactgcatga tcatcaaggt gtgcagggcc ataagctgaa 300
acagcgatct caccagccac ctgcataact tctttgtatt tgaggccaag ctctgcttct 360
actgaaaatg cgtc 374

```

<210> 34051
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34051

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tggtctatat taatctagtc ganaactaat tcttcgattc ctcttatgtg cttacatctc 60
atagagagaa aatcagagaa gagtgttcac atctccagag agaaaactcg agaagaatga 120
tcagggtatta atctaactaa tgatttcgcc taatagaaaa aatagatata tcaataaagc 180
acttgtcatt tatgactgcc taaattcatc atactaatta atccgctgac taattcctac 240
aacatgaatt tgggtcaaaa tgataaccac aattgtacta ctatgttaac aaccaccacc 300
ataaaagttg ttatttcgac ccacctaacg ccacatatag tgctttctca ctgacgtagc 360
attcgtagtg atgatga 377

```

<210> 34052
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34052

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agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggat ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgattcct 120

```

ccagatttac ctgagtaaac tctatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct aggacttcaa agagagaaag actgtgtcat ccagagaatc atgagtgacc 240
 atggcataga atttgaaaac agcacgttca ctgaattctg ctcatctgaa ggcattcactc 300
 atgagttctc tgccgccatt acaccacaac agaattgtgat agttgagatg aaaaacagga 360
 ccttgcaaga tgctgctcgg gtcattgcttc atg 393

<210> 34053
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34053

taaacattca atttcgaggc tctcgattat tacgggtatt taatcaagca tccaagaaaa 60
 aatttattgt cgtttgaatt tgctcagaga ttcaacattc aatttcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg ccgtttgaat tggctccgag 180
 cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaca catccganta 240
 aaaacctatt gtcgtttgaa tttgctcaga gattcaacat tgaatttcga gggctctcgat 300
 atcttacggg actcaatcag acatccgagt gaatagctat tgcgtttga attggctcag 360
 agcttcaaca ttcaatttcg agcggctcga tatattacgg tact 404

<210> 34054
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 34054

tttgccctta aaaatcggct ctttggttca ctctgatca ctttgatttt ctctctcgca 60
 cagtccaagc tttcttccaa gtcctaaatg acatttcaag ctagtattaa ctacttttaa 120
 cctcccttac tacagaatca gacttacctt ccactcttaa gactcactct tttccactca 180
 taac 184

<210> 34055
 <211> 385
 <212> DNA
 <213> Glycine max

aatgaaggat cttggtccag ctaaacaat ccttggtatg agaattctta gaaacagatc 300
 agaaggaatt ttgaagctgt ctgaggagaa atatatacac aagttgcttg acagggttta 360
 ccttgagat tctaagacca ggaatacccc tctgggatct catttgaagt tttcaaagaa 420
 gcaatctttg cagacaaatg 440

<210> 34058
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 34058

agcttatcaa aattgaaaat gatggttctt aatctcaaga atcttagagt cttagattgt 60
 gagtcttgcc aactaggaaa acatgttagg tcatcatttc ctcaaactgt acaaagatgt 120
 aactctgctt tctctaccat tcaactctgat atttggggac caagtagggg tacatctttt 180
 gattttcggg attttgtaac cttcattgat gaatttttca gatgtacttg ggtttattta 240
 atgaaagaca gatctgaact ttgcctata ttcattgttg tctttaatga gattgagaat 300
 caatttggca aatcaattaa gattttcaaa agtgataatg ctaaagagta tttctctcat 360
 gatctctctt cctttttatc ttcaaa 386

<210> 34059
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34059

tggagtaagt tcctgagacc gaggactgct tatgaggctg tagcttgacc atgacccaat 60
 caccttcctt aaagggtgacg tccctacatt ttttatctgc cttttgtttc atgaggtcct 120
 gagctttcaa cagcttcttg cggattacca cgaaggcctc atctctgatt ttcaaacct 180
 catctactat gcccaatgtc aagggtgactg taatgtattg tggatgggtg aggggtttct 240
 tgctgaaagt catctcgat ggggacaaac tagagccgga gtggaccgag gtgttataga 300
 accactccac ccaatttaaa aacttcccc atgaagacgg cttcttatga acaaaggctc 360
 gaagacattg ttctatgaca cggttcagca cctttgtcta accatcgatc t 411

<210> 34060
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34060

cgcgcggttg cgacgtttga ggcncctga atccctcgga attccgtgan actatagaat 60
 actcaagcct tcggataaag atacctgcat tcttccactt ctcagtactt tttataaact 120
 ctacagggat gcacatacca ctgtgccata catattccgc cactgcctga tgtaaagtta 180
 ctcacatcta ctttatcgcc tgattacatc tggcatcaac tctacaaaac atggcttatt 240
 tgcttattgt gcttattgtg cgcagagtgc ggtatctttg gagggcaaag aataccccaa 300
 gtatgaaatc tataatgccc atgttgtaca ttccatccag aaatggtaac ttgccggcta 360
 actgccgttt ctatctaacc attcaatctc tgactagtac tttctcgac gacgtgtccc 420
 tacgaacata tctttggatg gttgaatcat acttgcgctt gtgcgttgcg tcgctaccta 480
 gccacacttg gaattttctc tcacaccccg 510

<210> 34061
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34061

ggctgcanct gatncntntg aatncncctg gatnccttcg nanatncccg cganantata 60
 naatancaca gcttgantta tgaacacgct tatgacaaga ttctacgcta ctgnttggag 120
 cttaaacc aa ttagttaaga gccctcatt ggtcttagat tgcttatccc ttgacgtcct 180
 cactgtcnaa cttccatctc tgccttgtgt agcagaaaat caagaagacc tctacccttc 240
 ctgggttttga tgatgaatgt ccacatgcac ctgattaggc aactgactca acacacctcc 300
 atctagaaca tgacttaatc tcatcacctc tcgcacggca tcttcttttt gcaccaccac 360
 tggacatcca aattgacatc ctatgaacct atcgtgctgg gtggtgttcg gactctacta 420
 gtggctacca cgcggtacta cccactgcaa atgcgtgggtg agacttcact gggatctaaa 480
 ctacgcatct cggg 494

<210> 34062
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34062

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agctttgcct ccactttcat attcatacgt tatttggttc aacattaaat tgaaccgacg 60
cacatttttc atgtacgttt ttgtgagaaa tgaaaattca taacttttaa tttaactgtc 120
at ttgaggaa ttccaaatgg taaaccaaac acgctatctt gaaaagttcc tgtagttaca 180
gataaccag taactgaata atcaagtttg aaaaattcat gtagttacag ataaccagc 240
tactcaataa tcaagtttga gtcaataatc agtccaattc taataaatcc ttaatccaga 300
tagtcacgtt gaacagaaaa acataaattt ttatgccaaa aaacaaggta taaatgcacc 360
agacacaaat gagtaaaata taatttacgt ttaacacaat act 403
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<210> 34063
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 34063

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ggaaggatgc ttcaacggag gaaaagaaag agggagcgaa agagagaggg gggagtacga 60
aattgaagga aaaaaaggga gagaagttga actttgagtt gtgtctcaca agactctcat 120
tcatcaaagc tacaactagt gttacgcatg attctatcta tagactaggt agcttccttg 180
agaagcttcc ttgagaaaac ttccttgaga agcttctttg agaaaaattc cttgagaagc 240
tagagcttag ctacacacac ccctctcata actaagctca cctccttgag aagcttcctt 300
aagaagattc ctaaagaagc tagagattag ctacacatac ctctctaata gctaagctca 360
cctccttgag actaaaagct agagcttagc tacacacccc ctataatagc taagctcacc 420
cccatgacac aaaaacatga a 441
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<210> 34064
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34064

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 aaaaatgaaa tcggtacatt tgggtatttg ttttggtaat attatgtgac gaattcaatc 120
 caaaaatcaa caaatgaatg tagacctcat aaaagtgtga atgacaacct ttttttttgg 180
 tttttccaaa agtataaaac aaataatgaa ttatgcatag ataaatttta taaaaaaaaa 240
 ataggattgt ccaagtttga atttcaatat aaaaatacaa ctcatagttt ttgctctgta 300
 aatattgttg aaattgaatc gaaaactgaa ctatctactt ttaanactta atcggttaaa 360
 ttatgtgaaa gtcttacggt attgaatggc atcacaacac aca 403

<210> 34065
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34065

tatggattaa ttcaagttgt ttgaatttaa ttaataatct gggattgttg ttattgagag 60
 tatttagatg cgttaaataa ctaaaagaaa gtttttacag tccatgtgat cctatttgcc 120
 tcgaaacaaa gtaatgggga gcttggcgtg gaagcagctt cttctcaacg ctctggaatc 180
 caacgctcac ctcaagcact cttctttcat gcagctcgta tgtcaatcaa ccaatctttt 240
 ttttttttct tttttttata atttatgcat ttttatcctt ttatttgtgt ttcggaacagg 300
 caaccctagg aaccaacgga acaccttcca accgcactgt cgtcttccga ggattccaag 360
 acaacactga taacatcaa attaacaccc atgcccgcac tcccagggtt cttcttattc 420
 tcgatcagct 430

<210> 34066
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 34066

agcttggagt gacctttgtg ttgacccgag accgaaattt gtctgtgtgg gcgaagtttg 60
 accaaaacca tatcaccaac ttggtattca gcttcacggc gctttttatc tgctaaatac 120
 tccatgcgat tttgagcttt ctccaatttt ttcttgattt ctgcgaaaat agcctcgcca 180
 tcagtgagca tgacattaac aacatcaatg ttagaattct ctgcccaata ttgagaacag 240

ttgaaaggct tcttcgcaca tgtgatctcg tacggggaaa gacctgagct tgagttccaa 300
gaggtgatgt aagaccactc cacccaacc 329

<210> 34067
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34067

tgctttgaag tctagaaact actctgcaag tcgttaaact tgctctgcaa ctctcatagg 60
cctctataaa aactacagtg taactgaaac tctttcggaa tgaaattaaa tgcatagtt 120
ccacaaattt ttatgcattt ctctctcttt ctcttactct ctatttctct ctccttctat 180
tttgtagttt caattcattt ctagtagatg tcatccctct ctttttgtgt actcaaagtc 240
agaatatgtg tatggccaat ttgagtaatt aaaaaagtt atttgggttt acggcatgac 300
taagacaaaa tgtgttaggg tgtgtgtgtg tatcaatgcc tattctgttt gagtagtaca 360
gcttcaacct tggacctgaa ctttatccca tntaccctc tgtgagaata a 411

<210> 34068
<211> 182
<212> DNA
<213> Glycine max

<400> 34068

cgggaactca gagacactgc agcatcacgc ttgcagcaac ttgcaccaa aaccaaacc 60
cccgaaaaac aacgggatcc aaacacaaag tcggacgcaa cggacataag aaccaccaca 120
taagacgcg cgaacattcg catacagcgg acatgcaaaa aagcgaccat actgcagcaa 180
aa 182

<210> 34069
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34069

actagccacc acacgcctaa tgccaaaata tatatacaat aaaananann anaagacgca 60

cattcaaggt caaggtgaac ctatccatac acatagtcgc ttcttgatgc aatgcatcaa 240
 tcacctccc tcttgcttct ttctcggcgt acacttgatgc aaaatcctcc actagctatt 300
 gttcatgggt cacagactgg ttcaactctt ccttcgactg ccctatgata gctagcatgc 360
 tttgctcgt ggcttccaag tggtgagcca cactcctctt gga 403

<210> 34072
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34072

agctttgaac actctgatat ctttgctcca tatacctagg aaaaattggt acaagtctga 60
 cacactgtct tattatcaca gaatccatat tgcgaaagga atgaagacca ttatggggct 120
 gccaaagtgat atgtagtttc tgcataaaca ccctctccat tatcttcaac ttaagataaa 180
 catcaatata ctgctgcagc aaactgccga tgtagggcga tcaactaaaa gacctcatca 240
 tcttatacat tataagacct atgatggtaa gaacaaatgt ccattaaatg aatccacaca 300
 cccttgcatc ttctggaaga aatatctcct ccatactttt acgtgaactt acaatatagc 360
 ttccggagatt caccacactt ctagccatgg ag 392

<210> 34073
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34073

tgctgattct taaaaaactg aagtatgaat tcagaatatg taaaaatact aactacaaaa 60
 ttagaaaaca agctaagagt aatgagacca ctaatatgaa aactaaacat caaagcatgg 120
 cagggatata tgcttaattt tgaaaagaga taaagtactt ttttctaaaa aagataatca 180
 tggagtgaac aatgtgaacc tcacgtagta gccaaaaaga tgatgcttgg tttatgtctt 240
 gtgcaagaac accatcagat atcatttcat tctccataga gccaaagtaga aatgcttcag 300
 gcttttgctt ggaggtatca aaacaaaatg tgacatcata tgtgaaggga cttaattaca 360
 tgctcagaag tgataactaa caaaaaggaa aataatctct atggactatc acatgactga 420
 ggcacaatga taa 433

<210> 34074
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34074

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 atgagggccc tatgcacagt tgcaaagcac ttggatggaa aagaggtact gccctatcgt 120
 tgtttgtgga ttgactttct ccagaattta cgctgggtca atctttatcc agagaggaaa 180
 tcagacacct cttgaagtat tcaaagagtt gagtctaaga cttcaaagag aaaaagactg 240
 tgtcatcaag agaattatga gtgaccatgg cagagagttt gaaaacagca agtttactga 300
 attctgcaca tctgaaggca tcaactcatga gttctctgca gccatcacac cacancataa 360
 tggcatagtt gaaggaacaa catgacttt 389

<210> 34075
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34075

tcttgccgct tcttcgctct tgctcttttc atgggttctc atatgccttg tattggatct 60
 tgggcttcca tctggatcatg agtttgggtc tggcggttgt catgggcttg ggctttgatg 120
 tccacatcat aaaatcttat agttcgatct ctatgctatg gtttataaat gtttccaaca 180
 caagctaaat cattttaagc ttcttttttc atacctaaag caataaaatt aaatatagtt 240
 aataaaacat gaaagaataa aaaaaataat ataaaactat tgaaaaattc atataagtta 300
 aaagaataat ttaaaattta tgaaatgatc taaaggtaaa attgtacaat aaataaagaa 360
 tgattagtga atagttactt acttttgatt gattgatcaa ttttaatctg cataattaaa 420
 aatattaa 428

<210> 34076
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34076

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tgaaccgtgt gacgcatcta gaacccatgg caaatcccag ctcggtacct cggagatacc 120
cncagagtac cacctgcatt gctgccatct tgttatgaaa taggacactg gaagaacacg 180
cactagacac ctacatgcca cacagcttga tctgctacga agtcacgctg cgaaattcta 240
atcccaccac gatacaaacg atttctcatgt ttccaaagct caacatatca actagtcgac 300
cccttggaca ccacataacg acatactcca agtcaacgac ggcataccac caaagcctca 360
cggatcgctg cgagaccacg tctaaactgg aatacggccc atggacaacc caccaacgta 420
tgaacaaacc gctggataaa aattataaaa tctcttaagc tcttctcata cctcaaacta 480
ctttgaacac ttataaggct gggacacata agactctatc ttcaccgtag gaatccg 537

<210> 34077

<211> 284

<212> DNA

<213> Glycine max

<400> 34077

ttatttggta cataattgtc ttacatattc aattaatttg attgctttcg atatgactca 60
tttctgaatc ttaacatata tatgactaaa tgaccttgcc atctagctaa tttttgttta 120
ctttacgaag gtaccggaga atttcgatta acatcggatt ggcccaaaag acacaagatc 180
tgccttacta ttgctagagg tttggctttc ttacatgaac aatcaagatc tgcctttaca 240
tatgaatacc cctgcacatg gcacattagc caagccaaga atca 284

<210> 34078

<211> 392

<212> DNA

<213> Glycine max

<400> 34078

agcttcggaa gaaagtgatg aggtacaagc cctaaaggca gagcttgaaa gagcccgagt 60
agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggacgtcaat atggccaccg ctgatgcctt ggaatgagaa accaagaagg cccaaaagga 180
agaacacgtg ccagcaaagt tttgaggggc tttatagggc agcaatagtg agctcaagct 240

ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tcttgaagga cgagctaaag 300
 gcttacctta ggtcgaaaag aaatttgtcc taacagttaa gcgagactga agggaatatg 360
 tgggcccgc tcatgagtg caaagagaag ct 392

<210> 34079
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34079

nttgagcaat tcaaattggtc gtaacttttc actcggatgt ccgattcatg cacataatat 60
 atcgagacgc ttgaaattga acaacgcaag ctctcgtgaa attcaaattg tcataacttt 120
 caactcatag gtccgattca ggcgcataat atatcgagat gcacgaaatt gaacaacgga 180
 agctctcgag aaattcaaatt gatcataact tttctcacgg aggtcagatt tatgcgcata 240
 atatatcgag acgcttgaaa ttgaacaacg gaagctctca aaaaattcaa atggtcctaa 300
 cttttcactc ggaggtccca ttcaggcgca taatatatcc agacgcctga aattgaacaa 360
 cggaagcttt 370

<210> 34080
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 34080

agcttattaa cccaagctct tagcttcaat gcaaggaaac atacttatgg ctaaaaatct 60
 aaatttttgt tttggaagtg gaaaggccag aaaattatga catgcttgag aggggttttta 120
 ctcgaatttg gctgccccat gagggatact ttgcaccttg gtagcatgaa aaataccttt 180
 caatggtatg tatatatgtg tgtgaatata ggtagcatgg aaaacacctt tcaatgggtg 240
 gtatatatgt gaatatatgg catacaatcc cttgcaaagt gtgaatgagt agcttcctaa 300
 atgaatatat gatggcacat aattcccttt tcacatgcca gtatgtgcat gacgtaggta 360
 gctttccaat gtgcatatga ata 383

<210> 34081
 <211> 344

atgtctccaa gggctccacc actggcagca tctactatac ttctctgcat attgctgagt 360
ccttcataaa aatattggag aagaagttgc ctcgacatct gatgggtgagg gcaactgaca 420
cat 423

<210> 34084
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34084

agctttcata gatatttacc ataatgttta catcgctcaa gctttcaaat ttaaagtacc 60
aaagtacaca acataaacta gtacatactg aatataaatt agtcatatcc aactacacat 120
cctaataaca aaataaaaca agaaatgggt cttcactttt cttcattttt atactggatc 180
tttatcagca gccttccttc cagtgaacct cggtgttggc atgtaaaata aggggtgttg 240
tggtggggcca tccacaacag gtgctgtctac tgttgaagtg tgtgaaatgt tcttttgttt 300
gggtcttgtt atgtctagct tataccttgc tactgggtgg aacatcacia tagatgcang 360
gacctacatg caaatgccan acatgaataa cacttgtaat atat 404

<210> 34085
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34085

nttaatagan aattataaca ttctccact tggtctatat gttttgactc attggctaaa 60
ataagtcaat gctcaatttc cttaaagaaa tgaacatgtg aatcatagtg atagtttctc 120
ttataacgag taatatcatc cttgtattac aacatgttca atttcccaag tagtatactt 180
aatgtaataa taaaacttaa tgaataaact caatgtttat tgttgggtcca aaacatagat 240
ttctcfaat aaatcaatgt gcacatgaat atgagaaaat atcacaatgt aagagtttca 300
actctgacct gtatgtatac aatcataaag tggaaccaag tcttattctc tctacatgat 360
ccttgaactt aaatgggtgac atgtccttag tcaaaggatc aatgatcact agcttagtgc 420
ttatatgctc aatgatcat 439

<210> 34086
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34086

agcttagcaa atggttctgn gtgttgccca gtttcatcat atcttccgta atactcatca 60
 cctctatcat atctaataat tttcacattt atgtctaatt gcccttttac ttcattgtag 120
 taaatttcta aggcattccat tgcctaagaa atctcgggca gtaagtagac ataactgtaa 180
 cgtgaataat cataaaaaat gatgataaag tatcattcct ttccgaaaga actaacatca 240
 aaaggtccac aaatatcagt atgcacaatt tcaagaagct gagtgcttct tgtagctcct 300
 ttctttgtat gttctggttg ttatccttta atacaacca cacaatatatt tagatccgta 360
 caatctagat aacgaagaat tcattcttta taatcttt 398

<210> 34087
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34087

tanaacagtg cagaatcaag acacaattgc attaaactta tcttctttgt gttcttgctt 60
 tctttttaag gtagaaaact caaaaaaatc attttcttct gtttactaca tttcaattca 120
 tattttttct ttaaaccatt tatccaaaat taatttcttt ctaattatta cttattttta 180
 ttattggatt aaacatcttt ttgatctttc taaatataaa aatggctttt ggtcctctat 240
 ttctaagaga ttgtcacagt acatctatat cactcatctc gttcgatata agtggagtta 300
 acggtaatgc agtttgtgac aatttaccag cacatcaaga tataaatgat atattcatag 360
 tgttttaacc acacaaaaat tgtccctcat ccctagtcgc tgaaacgaac ttaactccaa 420
 acttttactt tcttacctta ta 442

<210> 34088
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 34088

agtccttctct atagtgtatg ctctgaatc ggtcatccgg gttaaaagtc atgaccattt 60
gaatttctca agagcttttg ttgttcaatt tcgaacgtat tgatgtatta agcacctgaa 120
tcggacctcc gaccgaaaaa ttatgaccat ttgaatttct ctagagctct cgttgtttaa 180
tttcaagcgt ctcgatatat tatgcgcctg acttgtacct ccgatggaaa agcgatgacc 240
attttaattt ctcgagagct cccgttggtt attttaagcg cgctatatat tatgctgccc 300
gaatctgacc ctacagttaa agctatgaat attcgaattt cccg 344

<210> 34089

<211> 393

<212> DNA

<213> Glycine max

<400> 34089

gtcataactc ttaactagga tgtccattc ttgcacataa tatatcgaga cgctcgaaat 60
tcaacaacgg aagctctcga taaattcaaa tgttcataac tgttaactcg gatgtcagat 120
tcaggcgtat aatatataga gacccttaaa attgaacaac gaaagccctc gtgaaattga 180
aatggtcata aattttaact cagatgtcat attcatgcgc atgatatatc gagacgctgg 240
aaattgaaca acggaagctc ttgataaatt caaatggtca tatgttttaa ctgagagggt 300
cgattcatac gcattataca ttgagatgct cgatattgaa caacggaagc ttttgagaaa 360
tcacatgggc ataactttta actcagatgt cat 393

<210> 34090

<211> 164

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34090

agcttgcttc tacattatta aactaatata gggaaattaa canaaagtaa aagagagggg 60
tagagaaggc ttacttagg gctaaggagc tttcaaaatc tctcttatcc atggaaccct 120
cacaacctcc ttgaacacca ataacttggt cttccaatga acct 164

<210> 34091

<211> 433

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34091

tcctaagcaa gagaccaa at tgagactctt agtccccctt tctctcttaa ctggcacacc 60
accctaggtc attctagggt tgggtgtggcc ttatataggg ggtcttaatc cacctgngtt 120
aaggcccaat taggtcaggt gccctaattg aatcttaaaa ctctctatta agcttcgtga 180
tacttaacct tagtcttttag ttactctaaa ttattaattc caactctaac taaatctctt 240
tatcaattaa attatTTTTT tagtTTTTTT taatatattt accaatttgt cattaatgag 300
ttgacaaagt caaccctttg ccattgaccc tagtagtcta tgggtgacct tgttgacttt 360
ctctaattnt tactagaaaa cgagtatntt tttctcatt nttcctttta atctaatttt 420
ctataattct aat 433

<210> 34092
<211> 398
<212> DNA
<213> Glycine max

<400> 34092

agcttgccaa gatcatggca gacttcgagg cctggctgaa ggagttagag tccaagctga 60
aggagttcga gcagcgggcg actagggaga gagaggtcag gcagcaactt gaagaagagt 120
tgctgatcta caagaatgag gttttggagc agcatgagaa aggctttaaa aaggttgtca 180
agcaggccgg attcttccaa aaggaccttg acttgggtct ttttgacctt ttcaattggt 240
tttgggaagg tattatgact gaatttgatt gtcaatgttt ttcaaaagac ctagtcaatt 300
acccatgcat ttagatttgt cgtgctcatc ttatacatg ttctaaaatc acttaataat 360
atggttatta gtttttaaaaa taaataatac aacatatg 398

<210> 34093
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34093

tgcctcanag agatctagga aggataaagc ggctgatgga ccagttctg ctcccgaata 60

tgacagccac cgttttagga ggcgtgagca catcaaggga tggtcatttc tctgggagcg 120
acgcgtccag ctcagggatg acgagtatac caacttccag gaggagatag ttcgccggcg 180
ttgggcatca ctggttacc ccatggccaa gtttgaccca gacatagtcc tcgaatttta 240
tgctaagtct tggcctacaa aagaaggcgt gcgagatatg cgatcctgcg tgaggggtca 300
gtggatcccg tttgatgcgg atgctcttan ccagttcctg ggataccctt t 351

<210> 34094
<211> 383
<212> DNA
<213> Glycine max

<400> 34094

agcttgtatg gcaaactgga tgcattgggt aacttggttaa cccagctggc cttgaatcac 60
aaatctgtac ctgtcgcaag ggtttgggt ttgtgctcct ctgctgacca tcatacagac 120
ctttgccctt ccatgcagca acctgcagca attgagcagc ctgaagctta tgctgcaa 180
atttacaata gacctcctca acctcagcag caaaatcaac cacagcagaa caattatgac 240
ctctccagca acagatacaa ccctggatgg aggaatcacc ctaatctcaa atgggtccagc 300
cctcagcaac aacaacagca gcctgctcct ttcttcaaaa tgctgctggc ccaacagacc 360
atacacttct tcaccaatcc aac 383

<210> 34095
<211> 392
<212> DNA
<213> Glycine max

<400> 34095

tattctttat ctagagtagt tgagcatcca acttactact gacatatatt cgactgtagt 60
agtggacaat gtagttgagc cttgcatctt gcatattcat gttactaagt tagcaccgat 120
aaagtaatag cttccactag agctttttct ttcaactcta tcaccaacat agtcaacatc 180
ataatagctt gcaagtctga aactctctct atttttgaac ataacaccaa gattagaagt 240
tccaattaaa tatctacaaa tatgtttaat ttcacttagg tgaacttccc tttggtat 300
ttgaaatctt gcacatagat aaacattgaa cataatatca caaatggatg cagtgagata 360
gaccactgag ttgcatccac tttttttgat cc 392

<210> 34096
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34096

agctttaata ggtagattct tcaacatgca ctttactttc tgggtcaacca atctaaagga 60
 tgttttttcc tagagaggat gggtttgtac tttggtgggc tgcctaaggc ctctcctaata 120
 ggggtgcaga ctgtatttgt attgctttta tctttgtatt ttcagtacac ctagtactgg 180
 atttcatata taatatattg atttttgctg tgcaaaaaaa aaagaaaact gagtttttaa 240
 ctanagtaag aaactctttg aacagagtca gagtttcaga tttacttttc aacacataaa 300
 gccaaagtaaa acgagtgtgg gcatcaaaa aggttacata atatctgtaa cctgtgttgg 360
 acaagagaga agacccca gatctgtata aa 392

<210> 34097
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 34097

ttaacattaa ttaaaagctc actggtgtag gggcaatcac ttatggtaat ttttatgcat 60
 gtgactgaac ttgagccaat ctatatgaaa taaaataaat gcattctcag ggtttcgttt 120
 tgctgaatgc tacaggcttt gcaaaacttt tttgctgctt tagtctatc tgcaaatact 180
 agttttgatt ctctgctgga gtcactacta gcctgtgcta agccttctcc acagtctggc 240
 ggcattgcta aacaagcttt gcattcaata gctcagtgtg ttgctgttct atgccttgct 300
 gctggtgatc agaagtgttc atctactgtg aaaatgctta ctgacattct caaggatgac 360
 agcagatcta actcagtaag tctttttctc cagtactctt gacgtgtagt gatattaatt 420
 ga 422

<210> 34098
 <211> 419
 <212> DNA
 <213> Glycine max

<213> Glycine max

<223> unsure at all n locations

<400> 34103

tgaacctctc acaccgatgg aacgaatcga ctgattgatc cattaanatc aggagagtga 60
gcgggtgacc ctgtgatacc tcgaacacat aggcgatacc actcggaccg cggatctcta 120
aagtcaaccg cttttgcaag cttcaggaca agaacacata ggaaccgaaa gagcattcaa 180
gagaataact tacaagagac ggggtattac aattatatag atggcacaag agtaactact 240
tgggacaact taacgcactt agtaccaacg acaatctgaa gaaccatgac aaactatata 300
ctgctagatc cccctcagct acgaaagcca tactagctgg aatacgact taagacacga 360
cccacaaggt ttatccatat gcccatgtta ccacacagaa atcgaagcaa gctcaaatac 420
attatccctt cccgaatata cgacatcaac taaatgtctg ctctccctga taacc 475

<210> 34104

<211> 290

<212> DNA

<213> Glycine max

<400> 34104

gaactcagaa tactacgctt gatgataaag tgagatttac gtgtatgtgg gttactactc 60
aagatccaac ggggtgcacac tctataatcc acatcgtaga aagaccgtcc taagtcgcga 120
cctggaactc gacgaagacg attgttgagg tgggaatgtt caagacgact cgtatgattt 180
cctcccttac tttgaacaac atgatgacat tgaacaacct atcctatagg aacatattac 240
actaccttcc tcaccatacc aacgctctat gaaacaattc cacgtgagag 290

<210> 34105

<211> 336

<212> DNA

<213> Glycine max

<400> 34105

tttcatgcaa gcttatcaaa actgaatata atggctccta ggctcaagaa tcttatactc 60
ttagactgtg agtcttgcta actaggaaaa catgttacgt catcatttcc tcaaactgta 120
caaagatgta actttgcttt gtctaccatt cagcttgata tttggggacc aagtatgggt 180
acatcttttg gttttcggtta ttttgtaacc ttcattgatg aattttccag atgtacttgc 240

ggttatttaa tgaaagacag atctgaacct ttacatatat tcatgtcgct ctctaagag 300
attgagaatc aatctggcag atcaattaag attttc 336

<210> 34106
<211> 418
<212> DNA
<213> Glycine max

<400> 34106

tgggggtaaa acttgatttg tatagctaga agtgggttatg acacaagact tgtaacttgt 60
gagaagtaag tggaacttgg tagtttgcca agaattggat gtaatcttag tggtagagac 120
gaaatttgta gtttgtgaac cctaactctcc caatttcaat taaattttgt ttatttagcc 180
agttgaattg ttgtgttgca ttacttctta tttgggattg atcactccaa aaacctaatt 240
cattaatgta tgtttggtt aaagtttgca aaagtgtctt aagtcttact tctctataac 300
tgagttctta cgccaaattt tactatcaca catatctttt tgggcaacca aacatgaccc 360
taaactgatt ttactctaca cacactctgg gaacactccc attggaaatc caaacata 418

<210> 34107
<211> 379
<212> DNA
<213> Glycine max

<400> 34107

ctgcagcttt gatgggtttt aaaaatccat gtttgtcatc atcaaaaaag gggagaatgt 60
gaatgtatgt ttacatgatc ttgatgatgt caaagaagaa tctatcaaga ctgcttcaaa 120
tgataagcat ttgcttcaag aataattcaa gattgcttca acaaacaag ccttggttcaa 180
gattcactaa agaccaagcc ttgccttaaa acaatgtgct ttcaagacat gcaaagctct 240
ggtaatcgat taccaggaag tgtactcgat taccagatga cagggttgag aaatagctgc 300
tgaacaaggc tctgaacttg aattctcgac atgtaatcga atatcgatg tctgtaatcg 360
attaccaaca acgaaactt 379

<210> 34108
<211> 441
<212> DNA
<213> Glycine max

<400> 34108

tgtaatatgtt tgtctgtgca ataatatcaa gttctttttt ggatctttcc tccttttccc 60
ccaatttttt ctctgaaata ctgtaagtat gaatctcact atgtctggct aatccttttg 120
aaggcacccct caagggacct tagttatctc tatttggaat atgcgaatat gatttagaac 180
ccagttgttg taaatagtgt ttttttttct acttattctt ttcttttgct tgtttttcga 240
aaacctggga tttttaagcc tgcaaaggtg tgcccttgat agctgttttt tatgaaagtc 300
ctttttgggt aggggggtgc ttggaggaaa ataagatcaa gtaagacca aagaagtgtg 360
ggcagttctc gatcttcagt actcagctta atatccacaa aatcgataag gacctgtgta 420
aaaaaaaaaa aaagagtctg g 441

<210> 34109

<211> 358

<212> DNA

<213> Glycine max

<400> 34109

agctttactt ccactatttt aattcttatt gcaggattct ttccctacca tgctattaat 60
tgattgcctt tatctattct ttttaattaa ttcttacctc tgaattgaac cttacttttt 120
tgcttgctcg gaacatttta taccaatctg ccttgcgta ctgctttacg actttaccat 180
taagacgggt gatattaaat taaaaaagg acatatatat tatcaacatc ataattctta 240
tatgtactga acaaaatctc aacaatttta gacattatga ccgacctgca agagagggac 300
taaagagtat gtcgatgctg atgtgaaaat attttgattc ttgcaagcag ctgacacg 358

<210> 34110

<211> 450

<212> DNA

<213> Glycine max

<400> 34110

tactatagct atattgagtt attataactc caaatatatc atgtacattg tatagagtcc 60
ataggagtgt aaagcaaaca aaggcggcta tatcccaagt taagaaatga tatacgaact 120
ataggtgtta atagataatt gctataatag gaaaatgata taggatttgg atggattgaa 180
tagtgtacca cttagtccag tgtgtttaag gatgattgtg attgaattat ttttggaac 240

attcttccat ttgactatga acatgatttt atgtatattg aaatgagtgc gacatgtaat 300
 gcggtggctct tatgtgtatg aaatgtcaac gccatggtac atgactaaaa tttgaaatgt 360
 ctagagaacc tactccatgt gggataggat tctccatgtg atgtaaccat gtgcatccta 420
 tgtaatcatg catcatagat gtgcatatgc 450

<210> 34111
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 34111

agctttgagg ggcggtatcc caccatcttt tcatagtaga gtaccgataa tgtgtctacc 60
 atcacgatta tcgctctcct ttttgacat gttctgtagt tgcacatctat ccggaaccat 120
 atcagaatag tactgatact gcctaacgaa ggtaaccatt aggtccttcc aagtatacac 180
 tcaggaaggt tcctaagtta gtataccagg cgacagttgt cctagtaaga ctttctcagg 240
 aaaaatgtat cagcagtttc tcactctttg catatgcccc catcttccga caatacatct 300
 ttagatggtt cttggagca 319

<210> 34112
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34112

actcaagctn tggagcttga agaagttttg tctttntaca tgtccttctc ttttaagtgac 60
 atttgtattg attgctgcat tttagtctct atcttttcat atgtacatca tgcacatca 120
 tgtagaggta ggaagattgt atctaaagtt agaaacttct tcagtgcata aaactctcta 180
 ttttaatcga ttacaaggct tategtaatc tattacacaa gtgtctgtag cttgtagaga 240
 gattctagtt ttgttttaat tgattaccag gtaaccctaa tcgactagat aattcagttg 300
 agatcgtgtc tggcttttca tgagtctccg ctttaatcga ttaccaggtg atcatagtca 360
 attactttgt tcttaaagat gttcccanaa gtgatcaaga acactttaat cgattacatc 420
 aagaatctaa tcgattacat tgttcttg 448

atcaaaactt ccattacaac caggtattct atcctatcac tcttggctat aaaagtattc 180
tctatgtcac tcttgacaca cccttagact cccctgaat ctaagaacac tcaagtatgg 240
tttaacactg agccactttt gattttctca aacaaaagtt tgaatgaata caatgattca 300
acaacactca aagagtggat aaatagttaa actcanatgc aaataactnt gcttagcaaa 360
tgatgaanag attaagtgtt gagtatatcg tccact 396

<210> 34118
<211> 402
<212> DNA
<213> Glycine max

<400> 34118

tcatccgtgg gtcaaaaatc atagcaattg aaagaatgac attatagtca cttcaatact 60
tgctaaactt ttccatcatc aacactgaca tattttgcaa tactggatca tcacacttaa 120
gtgtttctcg caacaaccat tcaattttcc atacttgcac gaagtattca ttgggcttgt 180
ctatttgtct taagtttagg ctacgaaatt ggaatttgtc tattattgaa tttggttgct 240
aacttgtcac aaaataaaaa ctgaactacc taacaattat aaataattat aaatttataa 300
taataataaa ataaaataat atattattta aatattgtgg gttgacgggc tggcccatca 360
acccacgggt tgagcccacc taaccacggg gctaagtggg cc 402

<210> 34119
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34119

agcttagacg accttgtttg agtcgagaat actttattat ttatttggac aagcttgaat 60
atgatgtaga agaaaatgaa tgtgagcctt tgtccncatc gaaagacttg taaaaaaat 120
gctttaacaa tacttttaac caatatttga atcctttttc cttattagta tatatgcggg 180
gggtagaggg tgtcacatat aagactgtaa acattgaagt cctttgaaac atanagcata 240
agatatcgca gtcttttgaa acataaaaca aaggacattg agtcctatga taaaacacag 300
gacgttgagt cctatgaatc atgcactcgc attttggaat tttgtctata atgagaa 357

<210> 34120
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34120

tatg'gcgata tttccttaca tacgttctct tgcacattac atttaaccga aaaagtgcac 60
 ccatatacaa tcaaggcagc ttcattacct agattattta cacgtactgc caagggtgat 120
 ttgttactta catcacacac atctccttgg ctgaatttgc atacatgcat actcaaagca 180
 ttttggggta ccaaaaattg cacatgtgca catcttggtta tttctaatac ctatatatac 240
 acaaacttca tgatgaatct tgactatctt cacaaaaagg tgctacactt catccctttt 300
 ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atattttcct ttgcggacta 360
 aaattgtatt caaattaaaa ggtatatttt ttgtaatatg ttttcttcac ataacatgca 420
 acatatttat atata 435

<210> 34121
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34121

agctttattc aagacaaaga aattaaagat attcaagatg gatgatcaag acagtcttta 60
 gagtcttaga aagggtatat taaataggaa gggaattcca attgaagtag caaaagggtt 120
 ggccaagaaa tttaagttaa aaagtctttt acaagaaatt tactctctgg taatcgatta 180
 ccagaggatg taatcgatta ccagtggcca aaactgattt acaacagcta ttaaaatttg 240
 aattcaaaat ttgccctgtg taatcgatta cacatatatg gtaatcgatt accagcagtt 300
 tctgaacgtt ttaattcaaa ttctatagat tgtaatcgat tacacatata ctgtaatcga 360
 ttaccagact agattttcan anaatattct caa 393

<210> 34122
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34122

tgggtggagtt cactgagaat catggaatgt tcgggttggg ttacgagcct acatatgccg 60
 acaagaagat ggttacctta gaaaggaagg agagaagcct ggcccatcta caagggcgag 120
 gactacaagt ggaaagggtc cccatttgtc acatcaacga aagctttgtc agtgcaggat 180
 ggatgcgtga ggattaggtt gcagtgatag atgaagaaac ccctcaagac cgaccaaatt 240
 ggggtgcagcc atgtcctcca aactttgaat tggggaattg aaaaattgtc aaacgaccca 300
 agatttgcac gacaaattca atgtaatcca atagttccaa ccctattgtt gggcctaggc 360
 tntgggggtct gctcttttgt tagatccgat gttgagtcct gtaagagtaa caatatcgag 420
 gactcggacg t 431

<210> 34123
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34123

agcttttatg ggatcaagga gtctatcatg tgttcaacaa gatggacgag gactccaagc 60
 ataccttaat agttaaggt ttagtagtcg ctaaacaaca aaagttaga aaaaccaact 120
 taaaggctat gaagggtggc ttggaaaaaa ctttgaagga ggctctagaa gtggatgtgc 180
 acgccatcaa caagccaaac aaaagagatt cgccaagtcc attcctattg aaggccttgg 240
 tctggatagc tttggcatgg caagaaaaat taagaagatc aatgttgggt agaaaaagaa 300
 gaagacaacc agancacaat cctaaaggga tgaagagaaa atgtgatttt gccaaaggaac 360
 a 361

<210> 34124
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34124

tctatagaag gtccgttcct aattttctcta caattgcac acctctcaat gagctgggtga 60
 agaagaatat ggcatttacc tggggtgaaa aacaagagca agcctttgct tttctcaaag 120
 aaaagcttac taaggcacct attctagctc ttctgaatt ttctaaaact tttgagctag 180

aatgtgatgc ctctggtgtg ggagttggag ctgtattggtt acaaggtggg caccctattg 240
 ottatttttag tgaaaaactt catagtgcc aacctcaacta cccacctat gataaagagc 300
 tctatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatntg 360
 tcattcatag tgatcatcaa tcaacttaagt acattagagg gaaaatc 407

<210> 34125
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34125

agcttcaggc tgctcaattg ctccaggttg ctgcatggaa gggcaaaggc ctgtatggtg 60
 gtcagcagag gagcacaaac cacaaaccct tgcaacaggc acagatttct gattcaaggc 120
 cagctgggtt accaagttaa ccaatgcac cagtttgct tcaagcttct tagcttcaca 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggcgctaaac tgctgggagt tggaggccat cttttcaatt aaatttttgg cttcagcagg 300
 agtcatgtct tcaagggctc caccactggc agcatctatc atacttctct ccatattact 360
 gagtccttca taaaaatatt gg 382

<210> 34126
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 34126

ttgctaattt agttgtctct ggcgaaatta tcgaagtggg tctgagaaga ggcaaatttg 60
 attatcctgc tttgatgaat gggagcctg cggaaaatgg agagagtaag aatgagggag 120
 gaacccatgt tgtgactacc atgcctacat ggaaaaattc ctcaccagct caacaatatc 180
 aatactcagc caatatcagc ccttctcatt acctaccacc ctatcagcca aggacaccca 240
 atcattcaca aaggccaccc ctaaatacagc cacatagtct gcctgctgca catcaaatac 300
 caaacaccac ccttaacaca aaccataaca ccaaccaggg aaggaatttt ccagcacaga 360
 agcctgtaga attcacctca atcctggtgt cgtatgctaa cttactccca tatctactca 420
 at 422

<210> 34127
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 34127

agcttctggg agcacaaatg gattggggaa aagccactaa aacaactttt tcccatatcg 60
 catctgataa atgatggaca ggaggacatt attgtaaaca aggcaacttc acatgggatt 120
 gcgagtgcaa gcgacggtgc aacctaattg tctcgaaaca gcagcttcta caaagctaac 180
 tctcaagatg acggttgccc tcattatgtc gagcggattt gcgtgaccct attaatggat 240
 ctagaata 248

<210> 34128
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 34128

taaggtttaa tcaactgtatg aatgagtgat aataccttca gctgctaaga ggtcaatcag 60
 aacgactgcg cagcatgtgc gcagtactca ctgagtcaag aacgggggag gagaggaaca 120
 actaagccag tctccttttt ggggctgtac tcaactacgat cgactttgac cgggaatagc 180
 aggtgacact caaaccacac tcgttactcg tgcacgcctc actttgcagg tgagattacc 240
 aaaatctccc tgtgcttgaa g 261

<210> 34129
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34129

aagaaaacaa aagaaaaaaa agnncccggg caaagnncag aagaaaacaa aggggaanaag 60
 aaaatccctg ancaaagaac ggaagaaaan gaaagaanna tgnagaangg gcttcggacc 120
 agacaaatat ccaaacaata caaaatagcc ataaccaa at aaggaaataa aggaaaccac 180
 gacttgaagt agtcctctcc ctttggttac caaccaa at cctatgcgct aatgactttc 240

ttgccccgca ctaaacaaaa acagaaaaag gaaagccaaa acactt

286

<210> 34130
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34130

nnnnntttttt nnnnnnnnnn nnnaaccagc aagaccaga agaaacacag cacgccacac 60
agacaacacc ccnnnnnnnn nnnnnntnnn tntnnnnnng nnatgggcct ctccggttnc 120
nnnnnggggt tttttttttn nnnnnggagc cnnnccaccc cgcnnncncc nnancccaaa 180
cctccaancc cagcannaaa cacanggcac cctnnaaggc aaagcnnctt gagggcaaca 240
cacttatcag caatgcactc aatctccgca tccccaacgg ttccaatccc acaaagagcc 300
aacctctcca aattcctgca actggagcga atcgccgcta ggctcgaaaa agtgggaaaa 360
acaccaatca acacgagctc ctgcaaataa aacagtgtta ggcntcgcat gcaacccatc 420
atcaccaaac ccataaaccc ccacccatca atgtgaacct tcctcaacaa cccacaccta 480
tcagcaaccg acaaaaactcc c 501

<210> 34131
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34131

nnnnaagnnn nnnnnttcta ctaacgatca gctncncn nnaangaaat nctccncccc 60
ccnaaccctc ccccccccc ccttaaaaaa taaaaacccc ccaaggataa taaccccncc 120
ggcggggnna aaaacaaccc cnnnnnnnnn nnnnnnnnnn naaaannnaa aaaaannaaa 180
aaaaaannna aaaaaaaaa cccaaaaaaa acaccaaaaa aacaaaaaaa acanacaaaa 240
aaaacaaaaa aacaaaacaa aaacaaaaaa aaaaaaaaaa aacaaaaaac aaaacacaca 300
aaaaaacaaa aaaaaacaac caccaaaaaa aaaaaaaaaa aaanacaaa aaaacncaaa 360
aaaaaaaac aaacacaaaa aaaaaaaaca accaaaaaan aaaaaaaaaa aan 413

<210> 34132

<211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34132

gaaatcatta actctattag tcaaattattg tcacaaattg atcccttttg cgtgcattta 60
 gtcattatat tatatactta aaaattgtta agtaaaaaca aattattatt ctaaaaaata 120
 tactttttacg aaaagaaata tttgttaaatt atttagacct gattaatcca acccaaccca 180
 tttatgattg ggttgcggtg ggtatgaaaa aaattataca aaccccacta nggatggc 238

<210> 34133
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 34133

atgtttcctt aataaagtct acaagtttca acaatacatt tatggattga aagaagtgtc 60
 tagaatttgg agcattcatt ttaacaagat aatttgaatg gttaatcttg ttagctatga 120
 agaagaactt tgtgagtaaa aaaagggttac tgggagcatt acattttatat gtagatgaca 180
 tataaaataa tacacaatat tatgaaaaaa gaattgacta ctaatatatt atcaatgaaa 240
 tatttaagag aaacaatatt taaaaat 267

<210> 34134
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 34134

agctttgagt aaattgaaat gacaagaact ttctacacgg atgtccggtt gagtcccgtg 60
 atatatcgag atgtcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120
 tttatacacg gatgtccggt tgagtctgtt aatatatcga gacgctgtaa attgaaagcg 180
 gaagctcgta ggaaattcaa acgacaataa ctttttactc cgatgttcga ttgaatcccg 240
 taatatatcc agacgctcaa aattgagact acaagctctg agcaaattgc aatgacaata 300
 actctataca ccgatgcccg gttgagtccc gtaatatatc gagaccctc 349

<210> 34135
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34135

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agctttcgat aaattcaaat ggtcataact ttctactcgc atgtccgatt caggcgcata 60
acttatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaattcaa atggccataa 120
cttttcactc gcatgtccga ttcaggcgca taacttatcg agacgctcga aatttaacaa 180
cagaagctct cgagaaattc aaatgggtcat aactttttcac tcgcatatct aattcagcgc 240
atagcatatc gagacgctag aaatttaaca acggaagctc tcgagaaatt caaatgggtca 300
taacttttca ctgcgatgtg cgattcaggc gcatagcgta tcgagacgct agaaatctaa 360
taacggaagc tctcgagaaa ttcaaattgt cataactttt cactc 405
```

<210> 34136
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34136

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ntntggagta gaaacatggg acgaactcat ttattttctt attggaagtc gtatctagtc 60
aaggtctgag agaccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
gccatcgctt tggccttggc taacaatcgg ggaagttctt gactcccggt caaggtaaga 240
gcaaaccgat ccattccacat ggttgccctt tgggtgtaaag agtcgatcac ccttcctcta 300
gcctcttttt ccgcgtatac ttgggcatat tcgtccgcaa tcctatgctc gtggggccgcg 360
gctagaccta actcttcttg gtacttggcg atgatagcta gcatgttggg ctccgtctcg 420
cataaacgct gagacaagct tc 442
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<210> 34137
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34137

ctctccctcc tgattcacgt ccaaccaaga aaatatttta gcacacagac tctatctatg 300
aactgtacaa aacacatgac ttctcaattg ttctcaaaat aaatctaact cgccgtcctt 360
taacgggtctt atcattaact cgtccgcctt a 391

<210> 34140
<211> 435
<212> DNA
<213> Glycine max

<400> 34140

tgtgatatct ttactatata tgtgtgtgtc ttcgtttatc tctacctgtt taaaaatgtg 60
ataattcact cctcatgtgt tgtttatgtt tggatcatgt gatgatctta aaccttgtgt 120
ttgtgagagc aaatgactag gtgaattact ttaagaaacc ttgtgatgga ggactctgag 180
acacaatatt ttgataggat gtaacattgg aacaagagtt tttattttta ttgcatgacg 240
tatcaaacat gtcattttac tttatttgat aaacttgaac agtcttggtt taagtcataa 300
atattttctaa gaaattttat ttggttacaa gtgaagcgaa tgtgaacatt acccacgtgg 360
actgatttac gattttattg aataaaattg atttaattag atctcgcat ttatatatgt 420
ctttctcatt tatat 435

<210> 34141
<211> 306
<212> DNA
<213> Glycine max

<400> 34141

agcttctttt atcttgtgtc atgggcatat tgagacatgc gtgcgggtcca cccattgag 60
cgactttcca tgaatcaatt tctctacata gaattgtctt catatacaaa gggcaacgaa 120
aatctgcatt tctattcacg caacaaacga catacttgtc ccattttctt tcaaccactt 180
tgaaactttc atgcaccttc ataacatatt gctcgactgc attcttgacc gcacttttac 240
tatcaaaatc catgtcaaca tataattctc tgccaacatt aaaactggat cgcctttcca 300
aaccac 306

<210> 34142
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34142

tatacaatac tcatgcttga actcattaga caaaatctat atactagtng gggattcggt 60
gggtttgttt ctgctgggtat gaccctagct tgtctgataa aaaatgaacc attagtttac 120
acattatgag aatacattaa tataccatac atcatattat taaagagtgt cctacaatac 180
cttaatagtg acaagttcaa gcctttcacc cacaatgggt tagtaccctc cacaacatct 240
ttcaaaaaaa aaaattcttc cacaatctcc aatattgttt tgactagcag atgataatat 300
caatgatttc agacttaatt angagtttta ttanggtaag ccaaattaca tttctcaacc 360
atgatttgct ctttagggat tcgattgata tggctactac gtgtttttac aattaatgtt 420
caatcttact aggatgcaca acacat 446

<210> 34143

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34143

tttctttatt ttgggaagaa aacagggatg ggggtaatgc atgaagatat tgattttact 60
atcaaacatt tagtccttcg agatacgtcc tgagagcttg aataaattac agcccaaaaa 120
tcaaccaag tgcgatgcat tttgctcttt agttaatcat ccaatgtgtc aatatgatcc 180
acaattagtg ggtaaagctt atacacaact cataccaaca taaggaaatgt tatgcacatt 240
gacgaccaga ggaataaaaa gttgaagtca gagaacacaa ttccttttng tcctctatat 300
cctttcacaa cactaccoga aatggacatg acaacattag acattcctca aaatcatatt 360
ga 362

<210> 34144

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34144

tgtcgttggc ttttatttga cacgggtgcgt agaattactt ggtttgttgc actttcagtg 60

tatcgagtct aataattacc agttgaacaa atcttatgtg tacacacttt taatataaaa 120
aacaataaac aatcgtacaa tatgattgta attgtgacat ttcaaaaaca caatagttaa 180
tggatacttc acaccaacac tatggtgacc aacaatatgg tgacgtaaaa aaaatagtaa 240
atthtgagaa atatgtgtag tgthttatgaa tatatgtgag aaggaactgt tactatcaag 300
tntcttaaaa gttatcccca tgthtctaaaa ctgtcttggt tegtgaagtt aattacctcc 360
atatagttaa catgacatgt taatthttca catctgcaaa tatcttagat gctt 414

<210> 34145
<211> 262
<212> DNA
<213> Glycine max

<400> 34145

ttctthtttaa ttctgaattaa aacgttcagg acgtgctggt aatcgattag cacatatgtg 60
taatcgatta tcacatgcaa atthttgaatt cacacctcaa tagctgttgt aaatcactct 120
cggctcctgg gaatccatta catctctcgg ttatcgatca ccacacagta cacctcctga 180
acaagacttt ataacctaaa thtcttcacc aaacctthtcg ctacttcaat aggaacctcc 240
thcttatctg aatatactct tc 262

<210> 34146
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34146

agtctatagt gggagagcga actaatttca tatctataac acttcatgaa gacctcattc 60
tattatagag ccatacgcat gaaatattta ttatgcaatc actaaagaag atagatgact 120
attatcaaca cactattaaa caaaaataat cthtaaaaca taatgtgaca gccgtthtca 180
ctthattthta agntaatctt caacataaca aatacacaat tgtagaactc aactaccgat 240
tctgacctaa ctccacctta tactatatag gattatacaa atccttaata aaa 293

<210> 34147
<211> 298
<212> DNA

<213> Glycine max

<400> 34147

tgcttataact aaattcgact acaactcggg acgctattta agctaactct actcctacaa 60
caggggatatg aggatgaagc ttagtttaca gtcaccctaa acctatgagg gctgtctaaa 120
ttgagcctac tccaacaaga tggatctgag gacaaagctt gaattgattc aatctaactg 180
cggatcgagg ctactaact tacgccacaa cataaaacac aaaaacatga ttgatcgggtg 240
tgctttccgg tcaaccggat ttcccttgaa tactttttta taaagaacaa agcggaca 298

<210> 34148

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34148

tggaattgca tttgggcacc tattctgaat ctcttatgtt gcacctacat ataagaaaca 60
gtcccactct cccaatttta caaaatcata ttcatacatc attggggcat ttcactgagc 120
acttggcgag cgcattgttc gacataaatt gcaagaggat ggggacaatg tggcatgccc 180
cattgcttna gaatacagca tacgcctaag gccttctcat tcaaactctc aattcaagaa 240
aacaagcata aaaacaaacc aaaactgccc cacaaatata agcacattct ctcaatttgg 300
agcaccaaaa gatgaagaaa atataccaat gggaagctaa aaacatcaag gattgaatac 360
ttacttgtgg gagtgaacaa taacacc 387

<210> 34149

<211> 381

<212> DNA

<213> Glycine max

<400> 34149

ttcttgtgat atatccact gatttttatt tatgcgttta tagcaatata gcgtataccg 60
aattacgttg gatgtattga aactttgaaa ttgacaaaat catcaaaata ctgataatat 120
aatcttataa gaattatata tgtacgaaaa ttttcagcct ttttttcttt taaattttat 180
aatcacagcg atatatcaat aaatcttact gatctatgta ttgtaattga gttacgtaat 240
gaaaattttc tcttcctttc ttatgtaacc agtaaatgtt gctctggtca catgtcgtca 300

ttaattaatg gcagttatac ttattaatat ttgaacacaa tactattaga tctataaaat 360
tatcattctt atcacatata t 381

<210> 34150
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34150

taaggtacga tgaatttcga ggtgcaagtc attcattctc ctccccaaac atactcatcc 60
cagtaactgg tagaattgta aaatatagaa gcttccgaac tccctgcact gtacctgcct 120
ctctgctccc tagaaaactt gaacagcgtg gtagcaccat gaactagttt ctctgaatag 180
gccttgttgt ccttgaaaac aatggaagca gatgccaagg cagcagccat ctgagctgca 240
agatcagaac aactatggca ttcagtcaca gggcggtcac agtccatgtc ctctggggcg 300
atccagcaat agtggtcatt cggactgtca ccaccggaag tatctccaag cccaacctgt 360
caaacaagca taaaaaacca tcattgagac acatcctact ccgcaccaca caacanaatt 420
ctagtccacc aacc 434

<210> 34151
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34151

ccccaccccc cccaccacac tccccgacc acaactctac acacacntcn nnnnnngggc 60
ggcggcgctg actcgtaaac cacggaatgc aaacgnacgn gcggaaccct acacncaatc 120
cgccggcacg caagcccctc attcaccatc cgccgcgccc accacaggca ggggacaacg 180
gccgaagcac acaacaccn cacacctaca ccgcaacgcc ggacacaaac gggggcagcc 240
aaccgcactg gccaccacca ccaacgcgcc aaagactccg cgctcaacca gccatcgcca 300
cacaccaccg cccccgacg cacacgagca tgactacca ccacaataca aacgtccgcc 360
acacaaacga acacatttca caagctcacc ccgcacaacg gtggcgtctc gcgaacgaac 420
cgacacaccc cccaccgat gacgcacgga cacctacacc cgaccacac agaatcaccg 480

caacaggccc cccaacacca acacggacaa agaacgagac ggatcgcccc gaacccacc 539

<210> 34152
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34152

tgacctaaaga accagctttt cgggttatat cagggatctt attgcaatga agaggaaata 60
 cagcaacaaa aagggcacaa taatcagcat ttgggaaaga atttgaatgc tgagccagtc 120
 gtactagctg tccagtccca tgttggggaa gaagatgact acgacatgca gaccactct 180
 caccttatat cggggcagag ttatcacagt attgggccag attgcaactt tggcccaaac 240
 atcatgcagg aggggtgcaa taagcaggag gcttattctg tagctctttc ggacgagcat 300
 caggatcact ctcaaatagc tgatgacaca aacaaatctt taggccaac ttcgaaactc 360
 aaggggtgta ataaggagga attattagct gtagccana ccanaaaagg aactccagac 420
 ttgtactcca aa 432

<210> 34153
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 34153

agcttttatat agactttaga gcttcgatct gttgagagat ctcaggtagt cgttgtctaa 60
 tagctttggc gcttaagacg aggccgctac tatgcagaga gagagtggga accacaaaca 120
 ctttctacag catatcttta gagaagtaca atctgtcaat gttgtttagt gctcagagtt 180
 gactttcaac gtacaaatca aaagaaacgt taacaacata agacaaaagg aattaataat 240
 gtcaaggcaa gacaatttaa atcttccctt ttgcgcgtta tgactgaact tatggatggt 300
 actttctgat gatcattctt agcactcgag gatcaagtga ctatttcatt gcttttgtac 360
 tgcgagcctg aaaaaagatg atcg 384

<210> 34154
 <211> 381
 <212> DNA

<213> Glycine max

<400> 34154

tcagaaaaca atagaagata atgctacagc ggccgcttcc aatacagcta gggaagcgga 60
accggtgcta cagccctcaa taaacttggg ccgagataga aacacgacgg ttttcggtcg 120
gaggtatagt cctcaagcct acccttatgg tttgcctctg gacttcactc cccgtaccgc 180
tccagacgat ttgagccaag cccctacctt cgagggggcaa ctccctcctt atgtcaacta 240
tcctctgcaa caagatgatg aaggagatgc ccatctaggc cctctacttc ccctcaagga 300
tccggccccc catgaattgc cccaaccgaa catagttcgc catgtcccggt ctccacctgc 360
accattataa gaattcggtc c 381

<210> 34155

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34155

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gaccttcaat tctataacgc aacgtggcag acaaaagtgg gcagttaact tgaatggcca 120
ttattatcaa tgcggaaagt attctgcgct tcactatcca tgttcacaca ttattgcagc 180
ttgtggttac atgagcatga actactacca atatataaat gttgtttaca caaatgaaca 240
catcttanaa gcttactccg cacaatgggtg gcctcttggg aatgaagcga caattcctcc 300
ttctgatgac gcatggacac ttatccctga cccaactaca attcgtgcaa aagggtcggc 360
aaaatcaaca aggataaaga atgagatgga t 391

<210> 34156

<211> 453

<212> DNA

<213> Glycine max

<400> 34156

ctaagcttaa ggaaatcttt tcttcagccg aagatgaaat attgttagct aaactacaag 60
aaaaaaaaat aggtgatttg tgttttcttt atgacaacta caaagaggac aacaagagac 120
aataacataa ccacatttgc ttagattttc gtcagaaggg tttttttgtg aagaattctc 180

agctctgagc caatacaaac gaccataact ntttactcgg atgtctgatt gaggtctgta 420
atatatctag acgctcgaaa ttga 444

<210> 34159
<211> 365
<212> DNA
<213> Glycine max

<400> 34159

agcttgtagt ttatTTTTTtC cttccattta tatccttact attttaatat actttttaccc 60
tctgctcttc aaattgttca tatgtaacta ttttttaatt actcttttct ttttattaat 120
ttttgggcta tttatttcat aatattataa tatttacttt aacaacacta ttttaattagt 180
ccttaattaa atatgttttt gcctacaaaa caagaataga attcacataa aacagctata 240
caatatgttc attatTTTTat atttaccaac tatttcaata attctacaaa acgctcttaa 300
tttaataagc aagcttataa acttttagct cttagctggg agcttataaa ctttaaagca 360
tctta 365

<210> 34160
<211> 438
<212> DNA
<213> Glycine max

<400> 34160

tctcaaggag gtgagcttag ttatgagagg ggtgtgtgta gctaagctct agcttctcaa 60
ggaagttttc tcaaagaagc ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttgttgt aactttgatg aatgaaagtc 180
ttatgagaca cacttcaaag ttccacttct ctccctcttt tattccttta atttaatgat 240
accccttct ttttttcttt tcctccatta aagcatcctc ttcaagcttc ttatccaagg 300
cacattcttg gcggtgaagc tccttcttcc atggcttatt ccatagtgga tgggtgtagaa 360
gcaagcttca ttgcttcata atgatgaatc aagattgatt caaggtgttt tgatgataac 420
aaagatgatg acaaaaaat 438

<210> 34161
<211> 342

<212> DNA
 <213> Glycine max

<400> 34161

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agctttcttt ggtctggaac acatgaccat atgatctgaa tcctttatca ctttcacctc 60
agcatatgga ccagtgcctt caactaccca cctctgaaag tcctctgtgt gcaaattatc 120
tttttcaactg atgatgggag gtcaaggcct caccagacag aaagcaagtg tcaattcctt 180
cacagtacgt aatcgaactt gacttcatta atgacgaaat tacattcttt ttatcatggg 240
gaacattaca tagcacatac aaaagataaa aagctcacta aaaataaatc aagctcatgt 300
caataaacta aaaaataatc aatcaactgc ttatatatga tc 342

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<210> 34162
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34162

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ctgttagcac aatagcacct cctttgatgc atgatgatat tttcacagtg ataaatatat 60
tgtctccggt tgtaaaaaaa aggagggatt tttttcatca attttaattg gtagcaataa 120
gtaataaaga atttaaattt cccaccttg tggctgtgga ctgtggtgac aagtttggtg 180
tttaatttta atttcttcgg ctataaattt tgaactgata agtgatatgg ttatatccgg 240
aacatgaaca ctggcaacgg cataaaciaa gagatttgct aaactcaggt ttgtgcttga 300
ttgaattttg ctatacgctt tccttctgag actatgttac taagagtaac gactaacgtg 360
acccaattaa gaatagaaga agggatatgaa gctattgatt ttcaactcga tctoctaatt 420
aacaagacct 430

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<210> 34163
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 34163

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ctcttagcga gtatgggggg ctgagcaggg caccagcatg ctcaccgaga cacacgaatc 60
tggaacagaa tctgccttgc aagcacgcgc tcaccgcgtg gccgctcgct aagcgagtca 120
tccgtcatct tccaagctaa ccgcgagact ggcgtagagt cacacgtcac taatgcgcgc 180

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taaccctcac atcgggtgctc aacgagaggg ccccgacagg atttccatat aacacctgac 240
atcaagaatt ggcagacgtg cggacccaca c 271

<210> 34164
<211> 435
<212> DNA
<213> Glycine max

<400> 34164

gactgtatat tgatttcttt agtatgttct ctttgtgtcc atttccttca actgagaacc 60
ccattgggtg gtccatacaa acattcttct ctaaattctt attcagaaag ggggttttca 120
catttatttg atgtagctcc aagtcataac gggctactaa tgccatgata atcctgaaag 180
aatcctttcg agaccagtaa aatgtctctc tataatgaat gtcataattc tgagtaaatt 240
ccttagcaac aagtctagcc ttgtaacgtt caaggctgcc atgagagtca cgtttagtct 300
tgaagacca cttacaacca actctcttac aacccttgg taattctaca aggttgcaaa 360
caccattatg ttccatggaa tctatctctt ctctcatggc attcaaccac ttctcagagc 420
tatcacaact tacac 435

<210> 34165
<211> 371
<212> DNA
<213> Glycine max

<400> 34165

ttttttatag tttatgcctt ttgctttttg tcgcgctgct tccgtgtttc gaaattcatc 60
ataattgtga tcaagtttct catcaggaat ctgttttagt tcgtctctct cttgtggatg 120
ttgtcgctcg cgcaccaaatt tactatcatt gcctaaaacy tgcccaaaaa attgttgtaa 180
actagtcgtt tcacacattg actacgaggg ttttgcacgt ttctttatct gggtttgctg 240
cggcgcttgt tgcattctgg ctcttgata tttctttctt aaccttttct gcaatccctg 300
ggattatacc atcgtatttt aatatataaa tatacaaaaa catgtcacat aacttcgaac 360
tggtcccac t 371

<210> 34166
<211> 436

<212> DNA
<213> Glycine max

<400> 34166

tatggaattg gcatgatgtg tcggtgctgg aacttattat attcatcata gagcaagtga 60
acaatttgat atgaaaaatg aattggaaga cacaagtttc aaagtttgga gttataaagc 120
taatttgatt tgatgggttaa aagataaaaa aaaatggtgg attcaaactt ctctcactag 180
tgaaaatcaa caaattaaca actaatatta acctttaaaa aaaaaaccaa tgttccgagt 240
tttacttggg attgacttga ttaaaagggtg ggacgtccaa ttcagatgat aacctgccta 300
aaatTTTTaa tttatatgtc aaaagatcta attagagggg taggataggg attaccgagt 360
gatgacagat tatctttatg cagattttcg aagtatctgc aatttatata taatgaagaa 420
ttttcttggg atatta 436

<210> 34167
<211> 381
<212> DNA
<213> Glycine max

<400> 34167

ttctttcaag aggattggca aaggggatct tatccaaggc ctttatgtcc tagacctcaa 60
cgacactcat gattgaaaat ttactttttc tgctatcaat tcacatgcac attccactct 120
ttgtaacaat gctcatattt ggcattctag atccgggtcat ctatcaaaca aactttccaa 180
tcatttgaat aatacaattg gtcacactt ctcccctaatt ttctcttctt ctaattgttc 240
tgtttgcca cttgctaaac ttacaagatt attttttcct aactctaata atttatctga 300
tctaccttct gacttacttc actgtgatat atgggggtccc tatgcccacc ctacatactg 360
acggaacgag attcttcctt a 381

<210> 34168
<211> 418
<212> DNA
<213> Glycine max

<400> 34168

taataataaa aggtaaaatt tgcatttttaa aaatttatta tcaaaatagt caaattaatt 60
tgttggatgt aaaatatacc aaaaaataac aagttaaagg ttaaaagtat gattaagcct 120

gatttaaata tgtacacatt tcaattccaa gggttgtgat tgttttttca aaaaaattca 180
 caaaaccata taattgaaac aaaatcttga aattgggttt gggacagttt tccctttttt 240
 cataggttca aacttttggg caattgaata ctatatctcc tatttttttt taaaaaaagt 300
 ttcaacctat cccttttate ttctttctct tttttccttc ttcctttttt tcttttttgt 360
 agtcaacctg ctctggttct tcttttcttg ctgtagcgaa agtctatact cctttttt 418

<210> 34169
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34169

tgcttttctt tatatgaata agaacaccga tcggactgag ctgctcacgt accgcttctc 60
 aagaaccatc tggcccacaa agcacggact ttttgcaaga agcacaacct cctaagatct 120
 agttagcgaa gaaccgcgta cctgtgcacg ccaattacaa gactattgca agtacgccat 180
 atacatcatc cactattttac tgatcatcga tcatncattg tgaagttaca tgatcacgac 240
 accacctacc ctcttcctct acacaaatgg atgccagctc acactacgat gggttgcta 300
 cgggctcgcc tcttttacta cgctcgatgc tgccacaa 338

<210> 34170
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34170

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 tacgaaaata ttgctaatta tcagcataac tgaaattgtc ctatgcagat ctgatcatca 120
 tgctggtgct ttctcatcta ttgggttcgt catctagcct attattttta tttattctgt 180
 ggcgattatc aaattatata tcttctaact tctaaacagt catgatggat tctacatatt 240
 gctaaantta tgttgccatg aacgtcttca aaaggccaaa ataatctctc ttcctctgat 300
 gtaataaaaa tccccattct tctctccctc aactetaagc tctcattctc tgtcctacaa 360
 caaatttttc tatcttgttc aacatactgt atttcattct gacggatgcg gatttgcttg 420

gaac

424

<210> 34171
<211> 356
<212> DNA
<213> Glycine max

<400> 34171

tgctttcgat acaagtgatt gcgaaaaaac cgcgtcatcc cgcttgatat tttccaagta 60
gcccttgaaa aattagaaaa ggtggagaag attaggcatt cggcgccttc aaacctcaca 120
tggtcacgtc ctaatctctt tgtctgcttt tccatttgct tcatatttca atattacgtc 180
agtctcatct tttggtctgc catgtgttcc gtaaaaaata aaaaagaata agacaaatga 240
gaaaaaaaaa aattatttga aaaaagttga tgcgcggcat tatttttatt ttattttctg 300
agtaattaaa ttgcatgac tctctctaca tcgtatcttg ggcgacccaa tgggag 356

<210> 34172
<211> 442
<212> DNA
<213> Glycine max

<400> 34172

ctaagcttga ccttatagta aacaagtcaa gctgagttgt tcttttatag gtctacaagc 60
tgcttggccc taaatttttc aactgcatgt gacctaacc aatataattt attgtcaaat 120
aaatcattaa acattataat ttaatgataa aatgatctca caaatttaat ggcaagacta 180
atattattgta gttttacata ttcatgaact aaatttgtct ttctcattat tttttaaaga 240
tcaatttggt ttatgagatg aatttaacta ttcttccttt aaaagaatga gagaaatctt 300
tttgatgaa accaaatacc actttatggt tcccacgtat tctcttccca tccatcatca 360
ttcttatatc actctcacac gaacagaacc tgccttagct aaacgggttc aatatcacc 420
acactctctc tctttgtcaa ca 442

<210> 34173
<211> 318
<212> DNA
<213> Glycine max

<400> 34173

tagcttggtg gagcacgatg ggagctgata tttgtgaagg cattcaggaa tttcatggca 60
gcgcattcatt gcctaaaggt atcacttcat catttactac tcttatccct aaatttgagc 120
aatcgtaaag cttgtcggag tatcacccta ttttactcat aggtggtcct cataggatca 180
tttcgaagac tctggcccat acaatgaacg cagtattacc tactattata tctccgcaac 240
aaatagcctt tttaccgga aggaaaatcc atgatggtgc ggctgttatc aacgagttgg 300
tggattcgcg aaaaacga 318

<210> 34174
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34174

tgagctgact ctatcttgga tcatttttat tatgggttat attggcaact tggcataata 60
atatggatgg aattatgttc tgggtgatgg ccatgccaaa tgtttgccca ccttttatcc 120
gtaaaatttt gttatctttt attctatcgt atgagtacat ggaaatttat agaagttcgt 180
tggttcagtc cttttattaa attttatttt gctactcttg aacaaaatat atgtcattat 240
cactttggta caagatagcc aaaagatcct acctgaatt ggattggaaa ggcagagggga 300
actcttaagt tgtgtaataa tatggacagt atgttctttc ctaaaatata aaaatatatc 360
catacatatt gttcgtgcat aactgcatat aacataaata agaataatag ctnttanatc 420
gttactaaca tt 432

<210> 34175
<211> 358
<212> DNA
<213> Glycine max

<400> 34175

agcttattat tgttacggtt tcatttgtaa tggctggcta aacacctttg ttggggattt 60
ctaatgaaca actgatgtaa ttattttcat atctaattga tcttgtttct tgtgttcaat 120
gcttcttcag tgcttaagtt ttgtatgctc ttggtctgat caaccatttg tgtgcctagt 180
tacgtgattt taacattgcg aaatgtattg tctccttaca acttgaatga agcagaattg 240

<223> unsure at all n locations
 <400> 34178

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 cttctacctc aaatgggagt actgcctcca tcccataaac caaggaatac ggtggtgccc 120
 cagtagaagt tcgcaccgaa gttctgtacc cgtgtagggc gaaaggcagc atctcgtgcc 180
 aatctttgta tgacaccgtc atcttctgaa caatcttctt gatattctta ttcgcagcct 240
 ctacagcccc attcatcttt gaccgataag gggtagagtt atgatgctgg atcttgaagt 300
 cttcgcacat ctctgcatt atcttattgt tcagattggg gccattgtca gtaatgatct 360
 tctgngggag tccgtatcga caaatcagct ccttctttat gaatctaact accacattct 420
 ttgtgacatt agtataagaa gcg 443

<210> 34179
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34179

agcttgtagc tgaatactgt tccagctgca gcaggaactc tttataaaga catttttagga 60
 ctttgtcctc atcctaaggt cctccacccc tccctcttag tctttttgca gtatgcaagc 120
 ttacctttgt agttgcttgt agccgtatat ctttagttga gacaaaagaa aaagaatggt 180
 tataaagaaa atgaatatc aataagcttt aatctgaagg atatagccaa atgggcagaa 240
 attgattatt cacagcatat tctagctagc atgattttta aatgggtatg attcataatc 300
 attcaaacac aatgtagata gaaccaacaa aagtgtttca cgatctgtga attntgtata 360
 cagccaacaa cagctgctag aaatctctgt ct 392

<210> 34180
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 34180

tgacttgtcc aatataatag attaacagga agcatcccat tggaaattgg caggcttggg 60
 agaattgatc aattttctca atttatcatt taacaatttg gaaggaaaga ttccatctga 120

tggtatcttt actttatttc agtttcaaac ttgtcattct tagggaatcc acaactctgg 180
ggaacaattg caggcatatc cttgtgctat caaaggaatg gtggtgtag tgtaactcg 240
ttgacaagtg tatcaaactg tcacaagtag taaagttctc ggaagtccga gtgtcgaatt 300
cacagggact ttgtttgtac ttagattaat gcaaacccca atttaaaagc aagaatttaa 360
agataaaatt agaagataaa agaaaagata agatatttaa agataaagtt agaagataaa 420
agaaaagata aatgatagaa gat 443

<210> 34181
<211> 386
<212> DNA
<213> Glycine max

<400> 34181
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tgatgatctc aatctatttg taaaaagatt caaccaatct cgaagagtca gaggaatta 120
aagaagatca aattttaaat caaagaaaag ggcagaagat tcctcctcta ttccaaaatg 180
ttatgaatgt aatcaacctg gacatttgag ggttgattgc ccaatcttca agaaaagaat 240
aaagaaatct gaaaagaaag tctttaatga aaacaagact aagaaggcct atattacatg 300
ggatgacaat gatatggact catctgaaga ttctgaacac gaagttgtaa acctgagtct 360
gatggccaag aattatgaca gcgatg 386

<210> 34182
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34182

ntgatttcaa attagtatta tcttataatg atcatatatg tatccaatca aatttctttt 60
ttttttcaag tacatacata tatgcctaca tattaacgtg tatagttatc ttaatatatt 120
attataggat tagttattat atacatacat atatatatat atatatatat atatatatat 180
atatatatat atatatatat atatatatat atatacatat atatgttttt tattatacat 240
gtatattgca tatatatatt ataaatagat attttggaca tcatatgtca ttatagcatg 300
attttgaaaa tgcttattgt catggaattg gaaacattat ggtttgatcg ttatatatgt 360

gtatatgtat gttgcgtcct atgaacattg ttatgaatgt tatgaagatg tataaatgaa 420
catgacgtgg attaagtgc 439

<210> 34183
<211> 99
<212> DNA
<213> Glycine max

<400> 34183
agctttgttt tgaatatctt agtaccctgc acgcataggt tcttcccatc tttggtctcc 60
atcgtcgaaa gcataccgct acttcgaatt ttagccgca 99

<210> 34184
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34184

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aatgacaatc catctctata tgcttagtcc tttcatgaaa gactggggttc gaggaatat 120
gaagagcatc tcgattatta caatacaact tcatttgcaa ctcttcacaa aacctcaatt 180
cttgacaaaa ttgtctaate cacatgagtt cacaagtaac tatacccatc gatcgatatt 240
cagctttctgc actaaaccga cctacaaccg tctgtttctt gcttctccaa gaaataagat 300
ctcctccaat gaagacacaa tagcctgatg caaacctnct atccatggga cagccagctc 360
aatcagcatc acaata 376

<210> 34185
<211> 432
<212> DNA
<213> Glycine max

<400> 34185
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ataatcatca cacagcagaa gactaacaaa accacccatc atatctccca aaacccata 120
cccacgaaat ttaagacaga aagaagtcca cccaaacctg aattttcgaa gtccactcg 180

tagccacgca cttcacgact ccgaaaatgc tctcctttcg cgatttggag cagaaatgat 240
 ggccaaaggt tgaagctttg cttggagctt caatggagaa tggaggagaa ggaaaaagcc 300
 acgtgaggaa gagggagaga gagagctgtt ctgaaattgg gctgagtga gagagagaca 360
 gagttgcttt ttttttgggt ctttaataaaa gggttttctc ttttctatta ttttattcaa 420
 gctctgcaca tg 432

<210> 34186
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 34186
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 tgggccaag atgcaagaga aggccctagg gttcttatga gccttatggg agatttcggg 120
 cccatgggct aagtatgagc ccacttatct ttgtaaata tagattaagg tttcattatt 180
 tttgggcctt gtatttaggg ctccataatg taggtagggt accctagaaa tataggattt 240
 ttcagccctt gtatttaagg gcacctagac tagtttttgt attacgggta gttttgtaat 300
 ttcacatgta ctaagtggat atttgatgtg tgtggttggg aataaattta attgaattgg 360
 tagaagccca atccaattaa attttagagg gggagggtgag catttgctta ctacacccca 420
 ttgccacatc atatagttac act 443

<210> 34187
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34187
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 accgccttct ggagaacttc ctggaaggcc caaatcggtc tagttgctat ttgcaccccc 120
 ttttttacta aatacacccc ttgccttttt ttgctgattc tttttccgta acgctacgga 180
 aacttacgaa ttacgtaacg atacttggtt cccttcctta atgttaacga accttacaga 240
 ttacgtaatc atccctcttt ttgccttcca gaatgttaca gaactttacg gattgtgcac 300
 taacactctc ttctaatttt ccgatttcca cggaactcta cggatcgtgc tacaatgctc 360

<223> unsure at all n locations
<400> 34190

tctagccaaa tggaattacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60
cctttccttg ttttgaagct cactacaagc cttaaataaa gaaccatgat atcaccatat 120
ccttaaggaa ttttgagct ttggaattgt tttgggaata agtgtggggg gtttttggtt 180
cattggataa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttggttaaata gttggacatg caataaagtt gagtgaataa gatcttaaata 300
ggcacaagaa tgatgaaact cttggttcta ctctntatgt ttaaatttta tctttacttc 360
tttttatttt cttattnttt ttcttaatat gcacttattc cccattgctc ctctattcct 420
ttgcgattta gccactt 437

<210> 34191
<211> 385
<212> DNA
<213> Glycine max

<400> 34191
ttctttcatt ttgacattaa ggttctcttt ttgaattaag caacattgaa aggtagcagt 60
cttgacgttg aaatgtactc cggtttgccg aatttatatt cacaatctca aaatatctta 120
gtagattttt aaaatggggc aggattacat taaatctttc accatatattt atattctcta 180
atcttttgat ttttgttatt gttctctttt ctaaccatct gtcataacga ttgacagatc 240
ttgaaaactc ttttattttc tgatcttcgg tcaatactca atcctgcttc ctctcttgct 300
acgctgacgc caacaaacct gttcctatgg atgatcacia catactgagt ataaacagcg 360
gcagcatcca tgggttctct ggtcc 385

<210> 34192
<211> 416
<212> DNA
<213> Glycine max

<400> 34192
tgttgaatct aggatttggt tcatggaatt catatgctgt cattccataa gcattgctga 60
atggatgcc accctcctta actgaatctg tcaagtggaa cctacaagaa tgcagtcctt 120

taaactctct atctaagact tcactaatca ctaaccacta attatttata aaaaaaaaaag 180
 ttacgttgca agtatatttg atttatgttg ctggcaatct ttactttata gtgacatata 240
 aaattataaa tatcattaca aattctcatt tttaggtgac aatctttcct ttataggcaa 300
 cattatacga aagaacatat atgagaaaag gctggtatag aaccaattaa cgaaaaaatg 360
 acaaaatcgg ttaaggtagt aattttgata cgtacacaag agatgcgact gaaaaa 416

<210> 34193
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34193

atgatgaatt ctgacagact cagggcgtgt cgatcctaac tacgatgatg agctccggct 60
 cgagatactg actcccctac cgagtcaaga tggcctcacg atttacgaca gatgtgcacc 120
 tccgatcgat gaatcatgaa taatgctctc gatgatccac gaatcccgac acgaatcttt 180
 caacgatcat actcttaact ctttcacaca atttagtccc atacgaacgc ttgcgaggcc 240
 ctttactcac cgagtctcta ctttctacta atccatcacc acctcattgt aatcgactac 300
 caccagccaa gattgttcta caacgctttc ccttatttac accgctcctc tgattcaaac 360
 ggcgtaccga ctccaccgcc 380

<210> 34194
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34194

atatagcgat aaattagtag gaaactcttt tcattntttt gtatcagata tacagtgtgc 60
 attagctcat ctcatcataa tggattcacg actcaaaaga tttactgtag gtctagatca 120
 tcaagatcct aggttaattg tcaaccagca tcctttctga ctgccttact gtgctaattt 180
 tctgatatat tagtatcttt ctttcgggcc tgtctttctt tgatcaagcc aaaagcatat 240
 tttaatgaca gtgaaaattc acattatgga gttatcttgc tcttgaccta cactacatac 300
 ctgattcttt acaaaaagta tacatgcctc aaaatattga taatctgtat at 352

<210> 34195
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34195

ttcttgtata tgttgagcaa tagtcatcac cgcgattgaa atgcccaaaa tttttcccaa 60
 ttcacaccat tgtcactttt attcaacata tgatggctat gatctgctat atgttttaga 120
 tcaataaggc ggcttgacac aaaactgtta acaaaaaccc caccgttggg aatgggtcaag 180
 atactagcca aaaagtgggc aatatgaaac tctaacacct gtcanttcac ctttttggcc 240
 tccttatgac tggaggggtc cgcagaccta ttcttgtgat cacagctttg tcttttgcct 300
 tctgcactgt ctctctcctt tg 322

<210> 34196
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 34196

tcacatgctt cactctctct tgtgtgctgc ggctttggat tatggacact atcttttata 60
 cttggtatca agtattggat tgcgtacttt catacgatga atctaggaga ggtgtccttt 120
 aagagacatc gatacatggg atctgcttta ttttctctt agcagagtgt tagttacatg 180
 catgctgtgg ttcatatggt acacagagta tttcttggtc tacaacttgt gagggtcac 240
 cattctatca cctggaggaa taagtactgg actccagatg aagaagggaa gcagaggtac 300
 acattatttc tgcaataatt catagatgaa cctgaagtca aatattacat cttgttctga 360
 ggatgaaagg aacatacttg acttctgaat cagaattgag tacagggttat 410

<210> 34197
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 34197

agcttctacc atgccaaaac gaaggagact tagtatggat ttaagaaaac aaagctagta 60
 acagtgtctt ggggtcaaaca cccacattac tacatgaaag agctaagagt atttcggggt 120

ttacaaagga acgtaatttg gaaattccga ccacgccaat gtgaccgggg ttcagtgtag 180
 gttacaaaaa taacatgtat ttcataaaag gataacgttt acaaagtctc tttctctaag 240
 gtttttcaaa ggaagcataa gacatgcaat ggcggctgca aagttagaaa agatgcaaag 300
 agaagatgga actaacaaga aacaagcata gaaccatggg tacctcgaaa gaaaacaaaa 360
 gat 363

<210> 34198
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34198

tattgtgtgg tgtagcagc gcataagatg ttgagtgtca cagatattct agaaattgat 60
 acatttagaa aagttggtat aaggccttct caaatgatgg gtgatggaag cttgcttgtg 120
 ggacttctat ggagggttga tctttgagct tcaatgaagt cctttaatgg tgatttttca 180
 ccatggagat gcagcgaaag acaaaggaga agaggtgaga ggaggcgta tccactaagg 240
 aataagccat ggaagaagga gcttcaccac caagatgagc cttggataag aagcttgag 300
 aggatgcttc aatggaggaa aagaaagagg gggagaaaga gagaggggga gcacaaaatt 360
 gaagaaaaac agggagagaa gtgaactttg attgtgtcta caagactcta ttcatanact 420
 tac 423

<210> 34199
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34199

agctttatca cttttcacac agaggtcaga ttcgggcaca taatatgtcg agatgctcgg 60
 aattgaacca cggaagctct cgagtaattc aaatggatc aacttttcac acagatgtcc 120
 gattcgggag cataatatgt cgagtagctc gaaattgaac aacggaagct gtcgagaaat 180
 tcaaattggtc ataatttttc acacggaggt cacattcngg cacataatat gttgagatgc 240
 tcggaattga accacgaaag ctctcgagaa attcaaattg tcataacttt tcacacggac 300

gtccgattca cgcgtatcac atatacagac gctcgaaatt g

341

<210> 34200
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34200

acagcttgaa tcggacctca gtgtcaaaag ttatgaccat ttgtatttct cgagagcttc 60
cgtgggttcaa tgtcgagcat ctcgacatat tatgtgcccg aatctgactt tcgtgtgaaa 120
agttatgacc atttgaattt ctcgagagct tccgatgttt aatttcgagc atctcaatat 180
attgtaagcc tgaatcggag ctcatgtgtga aaagttatga ccatttgtat ttgtcgaatg 240
cttccttgggt tcaattccga gcatctcgac atattatgtc cccgaatcta accttcgtgt 300
gaaaagttat gaccattcga atttctcgag agcttccggt gtccagtttc gagcctctcg 360
atatattatg cgcncgaatc ggacatccgt gtgaaaagtt atgaccattt gaatntctcg 420
agagct 426

<210> 34201
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34201

agctttattt tgcgggttcg ggagacaaag gtcaagcgtt cgcgatatgc gaggatgata 60
ttccgagtac tttggatttg gtacgaccat gctctcctga tttccagctg ggaaattggc 120
gagtggagga acgccccggc atttacgcaa caagcataat gtaaaccctt acgggttttt 180
aaagctctat agttgggcct acgctttana gttttcattt tgtaaggct ttgtgtcctt 240
tgtgtttgaa tttataatac gaggatcttt ctcatctgt tcctggtctc taccattct 300
cattcatttg catgtttact tctttttcta aaacggcaga ttcgatgacg agtccccga 360
aggtactaat acctgggacc cgtctatcaa cttcg 395

<210> 34202
<211> 442
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34202

tgatttgtga gttgattnta gcttttagttt cacttggtta tttctcaact cattaaaaga 60
gaattttcaa agtaaagtgc cggttgagac ttgccctttt gatgattaac caagggttacg 120
acataaaciaa tcggttgaat tttattttga aagtgattaa atgagattac aatgcaaacy 180
atcgggtcaaa attcatttta aaattgatta agtgagatta cggcttaaac gatcagtc'aa 240
aactcactta aaacgaagaa aaagaatact gaaagtagac gagacgaaca tgaaaacata 300
cgaagcaaga atcgacgcct aaggatgcat agaataatc caaagcttcg aaatcaaaaa 360
ctaaccagtt gaagattgac gaacgatgaa gaacagcaaa gaatattcac ggaattggtc 420
acggaagcgt tacagaagcg cc 442

<210> 34203

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34203

agctttatta acttggttga atcaattacg aaggacctat aatcaattaa aatagagagt 60
tttttctct tgaagaaact tttetaactt agaacttttt ttcacactaa ccatgatgat 120
gaatgatgta accaatacaa atgccactca agggagttag gcatgtaaaa ctcaaaacat 180
cttcaaaaat tcttcaagct tttccttgaa aggttggtca ccatattgct catgttgctc 240
atgttggtcc ccttatctct aactatctcc ccctttttgg ctctgatgat gccaaaactta 300
catatgacgt tgagtgcatt tggaggggtt gagtcttgag attggagact tgatccttaa 360
tcttatctg acnaattctt aacacttacg aaga 394

<210> 34204

<211> 420

<212> DNA

<213> Glycine max

<400> 34204

gtctaaattg acgctttaga tcatttttat tatgctttgc tgagcaacat cttcaaaatt 60

gtgattagga catttctca gcaatgattt gaattactcc tatacttcac aaaagggttc 120
 ttttgatcct ttctgaatg tagaaatata tgactttaca ttgatatacc tagatggagg 180
 gaaaaatcta tcaagaactt ttcttccact atgetccagc ttgtcaaact ttgatttgga 240
 tgagattgta gccatgcttt ggctttccct gttaaagaca atggcaataa tctaagggtac 300
 acaacctcct cttcaccttt aggaatgccc attgtgccat attgttcata gaaagtagat 360
 agatgagtat atggatcctc attaccagca cttgcaaact gatgtgcact gatcaaaactt 420

<210> 34205
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34205

accacgccac gccacctctt ccccgctctt ttctgtctc ctcttctct cttantcact 60
 catcacntc gcggcgccgc cnnctgagcc ttgatacatt gganatcnna ggggtaccag 120
 ggatcctatc gagccaccta cagcatgca gcctatcgtc attttttagt aagagggact 180
 aagcgacctg aagtttattg tccacctgac actcagcccg caaactgata gacgactcac 240
 tttgcgagcc tgatacgcg taattgtgtg cttgccgaac atatgtctgc tcagattccc 300
 ctttactcga taatgccgct ggtgatgggc ttaaccggcg atgcgcacca atcccattgc 360
 gccaccttac cgtgatgagt cttttgtcac aacttcaaaa accttctatc tactcactct 420
 acacaacatt aacataattc catccgaaag gctctactgt tacagatcga cccacgaatt 480
 tatctccagc tacaccaaaa catcattgca gactattaca tttgaaacat ct 532

<210> 34206
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34206

tcanaccaca gcaacacaca atctatgtat ccaaaacctc tcattttaat ggattatcaa 60
 ggtttgagaa gtgaaattga gaatggggta aatttgagat aaaacctcac ctacacaaag 120
 tctataacat caatttaaac ttgtcactt ggatttacac ctaaaatttc accgaatcaa 180

aatttgactc ctcaacaccc aattttaccc tagaaatggc tctttgatca ctttggccat 240
 ttgtttttct ctcttgacac gcccaaactt tctcataagt cctaaatgac atttcaaact 300
 aggattaact ctgtntaacc tccaaatacc actaaatgca gatttggact tccaactttc 360
 aaagtctcac tctatatcca ctcacaacac cataactctca ccttctaacc ctaggttaac 420
 tctacccttc a 431

<210> 34207
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34207
 tttcttattg agtaaaataa agcccaaaga gcaggaataa ttaaggaaat cagagctaatt 60
 tgagaaaagc aagctaattg aggaaagaat ggctaattga ggaaagcatg gctaattaag 120
 gaaataagat taattaagga aagcaaagtt aataaaggaa agaagactta ttaaggaaag 180
 tagaataatt aaggaaacca taattaatta aggaaagtaa aggcagactt ggtgtaaaaa 240
 gctcactaat ctgcacctat aaaagaaaaa gagaaaagaa ggagaagaca catagaaatt 300
 ccaagagaat ataattcctc atagaacgaa aaggctagaa gaaggagaag caaacaatag 360
 gagtcattcc ttccctctat ctcccttctt atctttt 397

<210> 34208
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34208
 tggcagatag tttagatagt actcgacgaa ggatcactgc tttgtttgca actgaataag 60
 aataattaaa caaaagaatg agaagtaaga caatggctaa aatacataac actaggcctg 120
 taaacaataa aatttatgat ataaaagtac atgttactct tgcagatcaa aatttagatt 180
 aaatcctcca caccagtctt agtctatata tgatggatat taattagtta gtgaggtaag 240
 ttggtttaac aaataaggca tgttgccctat taatcttgct gtttgtgaga gaactggggc 300
 ctttgggcat tgggaagtcc aaacactcga agttctacaa gtttaaattct attattcttt 360
 ctgataagat accatgtttc taccaatatg ctttagcaac acagacattc atatacatgg 420

accaccataa cac

433

<210> 34209
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34209

tttctttcaa caagagtctt cacaaataac catcatgaag cagaaaacta acagaactac 60
ccatcatatc tnccaaaatc ccatacccac gaaatttaag agagaaagaa gtccacccaa 120
acctgaaatt tcgaagtccc actcgtagac acgcacttca cgactccgaa aatgctctcc 180
tttcacgatt tggggcagaa atgatggcca aagggtgaag ctttgtttgg agcttcaatg 240
gagaacgaag gagaagagaa tggcaacgtg agggagagag agagctgtct gaacagtgtg 300
ggggctgagt gaagagagag aaaagctttt tggttttaaa tacaaaaggg gctttctctt 360
ctctctatta ttttatttaa tcaacgccac atg 393

<210> 34210
<211> 433
<212> DNA
<213> Glycine max

<400> 34210

ttgatgcaac atttggagag gttaatgaaa catcttggtg atgcgctcca tgagagggtg 60
gatcaaattg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180
aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360
tggacggaga tgaaaaagat catgaggaag cggtatgtgc cggctagtta ctcaagggac 420
ttgaaattca agc 433

<210> 34211
<211> 395
<212> DNA
<213> Glycine max

<400> 34211

ttcttatgct ttccaagacc tccctcatcc gcggactgca tgcataatgtg ctgctcttca 60
 cccccctgat cgccgacttc caaccgacct tgggtgctggt atatagtttt ccagccccc 120
 agcttacaaa tctgttttaa atccaagccc ataaataaaa taaaatcaaa tctagataag 180
 ataagataag atctagatga gatcaaactc aaataatc tagataagat aaatttttgt 240
 agaataaaat agtctgcct cttcaagtcc aaactcaatt ctggattcaa gtccaatgct 300
 tcattaattc ctgaaattat attaaaaaca tcaaattagc tgaatgggcc caaataataa 360
 agctgcataa ttaatttgac aattaagact aatta 395

<210> 34212

<211> 428

<212> DNA

<213> Glycine max

<400> 34212

tctctttctc aatcaacctg tctattgact aacttttcta attaatagtt cacatacttg 60
 ttctttcttt gtctaacata catacttgct caaacttatg aaaagaaaca caaattccat 120
 cacaatcatg catttaatcc aaaagcccaa gtgattaatt aaagacttca agatcaagca 180
 tcaagaatcc aatccaagat tcaagattca agagaagaaa tcaagaagca acaagtcaag 240
 acttcataaa ggataagtat taaaagaatt tttcaaaaac caagtagcac agtttgtttt 300
 acaaaagaat tttctcaaatt tttctaagtt accaaagtga ttactctctg gtaatcgatt 360
 accagttatc agtaatcgat tactagtgc cagtttggtt ttcaaatgt tttcaaatga 420
 tttgtaac 428

<210> 34213

<211> 248

<212> DNA

<213> Glycine max

<400> 34213

ggataaggcg gcggaaggga ctacttacgc tctgactat gacagcccc gctttacgag 60
 cgctatacac cagctagcgc ttogacgcca ccaagggatg gtcgtttctt cgggagcgac 120
 gccgttacct cagggacgac gaggctactg attctctga tgaaacaggg ccccggcgcg 180

ggacatcact ggttactccc atggccaagt tcgatcaaga cactactctt gagtttatgc 240
ccatgctc 248

<210> 34214
<211> 412
<212> DNA
<213> Glycine max

<400> 34214
acatctagag gtgctttcca atctgttctt ttaccactta ttctgccttc ttttatcttc 60
agagtgggaa tgcctctgac agcacctttg tcaatgattt tcttcatgcc tcttaagtgc 120
agatgtccca atctttgatg ccatattctg acttcatctt ctttggagga tagacatgtg 180
gaggagtaac tgctttcttg acgtgtccat acgtagcagt tgccttttga tctgctgccc 240
ttcattagaa cttcactctt ctcatcagtc actaagcatt ctgactttgt gaagcttaca 300
ttgaatcctt catcacacag ctgactgatg ctgatcaagt ttgcagtcag tcccttcacc 360
agcagtactt tgtccagact atgaagtcca tcatggacta actttcccat tc 412

<210> 34215
<211> 377
<212> DNA
<213> Glycine max

<400> 34215
ttgcttgtgg actatacctt cgaccgaaca cggtcgtggt tctgtctacg cccggattca 60
aggcgggctg cagcaccggc tccgcttccc taactgtact ggaggcgggt gccgtggctt 120
taccctctat ggttttcttg agttttaaca tgacttccaa gatggaagcc atttgcattt 180
ttaaggccga tagatcgccc ttcattctgtt cttgcacgcc cttttcatta tccatttttt 240
tggatcgagt gttatacggg tgccttgggt ttttcttaat tatgatgaaa ttcctaaaga 300
aataaacaac agtgagtatg ccaccaaacc atgagtatgc aaatggatga tcggagcact 360
tggatccacc ccaagat 377

<210> 34216
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34216

tcacgtctac gatcgttgtc cactatacca cctgggtgtg agagaccagt ggtgtatgtt 60
gatcctgcta caggaagggc cgatgggtccc cacaagaaga aattaagaac atatttgggg 120
attgtggcgc gtgataaggt ggacatcacc tacgagaact ggaaggaggt ccctactgct 180
cagaaggacc taatttggga ggatattcag gtatttctct tttcttattt gattgtgtgt 240
aattaatagc caaaaaattt cattattgta ataaataaac tttgtttcat gttgttaggc 300
ggaatttgat atcccagagg cttctgacag taggacaaaa aggaagttac tacagaccat 360
gggggagaga tggaggcagt ttanatcaga cctcacgagg aaatggggccc ttgcagccga 420
tc 422

<210> 34217
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34217

ttgcttttggg tcttcttcaa attaaaaccc gccatgttgt tcttgagttg ggttgaatca 60
cactcctgta agtatatttg ttactatata ttgtgctaac atcatatata tgcattgagaa 120
ataaaatgac ttaacaaaca aatgctatat ctctgaatac ctgaatttga tgcctcctg 180
atattgcttg tgactggagg atangtgatc tgagaccatc tatgtcggtt gaactagggtc 240
ttagcctgta ctctccacaa ctgttggtcag tttcatgaaa ttcagaaggt caccaaaaat 300
aacaaaaaaa aaatgcttta gttccatcac tctcaagaga tgtaccgctg atcatataaa 360
atatatagta tggtagaaaa t 381

<210> 34218
<211> 411
<212> DNA
<213> Glycine max

<400> 34218

tgtgcattac gcaatatgcc aatattcatg tccaaaattg acacogttac aattttgtca 60
cgacattaag aagatagaaa gagtaaatga aatctaattc tcaaaagtat gtatctcatt 120

ttcatttttcg tcttcaggtt taatgaaatg agaaaaaagt tctgtgtaaa agcatacacg 180
 caaaaaataac gtggaacatt attattttaa aaaaacacta aatataaatt attaaaagta 240
 aaaaagtata aattctaatt accaacatct tttaaaactt aaatgtatca tttcttaatt 300
 tagcatcttc aatatatata tgcaacaacg cctactaaaa tacagtttaa ttttatttaa 360
 acgttacatc tcagtcaacc acaacttctt aacttacacc tgatatattt t 411

<210> 34219
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34219

agcttagact aaatgtacct aggtacgttg gcgatggaca acaaaaagcg agcagtcacg 60
 gtcgtcagcg cgatggagaa agcttagatg cagaacacgg agaagaagag agcgcgagca 120
 atgtaggtcg tgtatgatat aagttaaaat gtaattccaa catcgatttt caatacaaaa 180
 ccgatgttaa caaatgatg ttaacgttaa catcggtttt cttctanaaa ctgatgttaa 240
 ctgatcatat gttaacatcg atgttcaaaa aaccaatgtt aacgaacata ggtaacatc 300
 ggttttcttc aaacccgatg ttaactaaga gacattaaca tcgattnttc caaaccgatt 360
 taacaaatta atgttaacat caatcttaca agaatcg 397

<210> 34220
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34220

tatcgtagt caagaatgat gcatctaaat acatgatatt atgattcatc ttgggtagaa 60
 agatttatgg gtagacaggt tatgcaactgc taaaactaat atgaatttat atgataccat 120
 gagtggatgt taatttatca tgtactcttt ttacactct aaagtgtata gaagctaaat 180
 cgaagacttt tacactatca aataataata taacacctta tttataactc ttactagtat 240
 tatcataaca gtgaatgatg ttcagtagtg gaagaatgat tttcagtcac gcacgattgg 300
 ttgataggat aaattatgct gtgagtttat gctaactgaa ttatataaaa tgcacgttct 360

caaaaaatag ccattgctgt cattntatta ttccttcgat tctggttgga tacgcttgtg 420
ctaacagagg tataataa 438

<210> 34221
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34221

agcttgata tttccccaat ttatggttat ttgtagcga tttttgtaa taaatcttgt 60
tttatggtta atgctgcctc tagaacattt ccattggatt taatgatgaa atatgtgcat 120
tctcgggtga aacagaggct aagttttgaa ttgcaaaatg tagcagttgg gctaagctca 180
acagttgggc taagcgcata tccaccgcta agcgtanttt cantgcgctt aacgcaaagg 240
agaatctggc agagcatcag catcaaagct gcgcgctaag cgcgacatca atgcgctaac 300
cgcactacgt gccttcaccc a 321

<210> 34222
<211> 434
<212> DNA
<213> Glycine max
<400> 34222

ctacaatttg aattaaaacg ttcaataact gctggtattc gtttaccata tatgtataat 60
cgattacaca gtgcaaattt tgaattcaaa ttttaatagc tgttgtaa atcagtttttgg 120
ccactggtaa tcgattacat cctctggtaa tcgattacca aagagttaat ctcttgaaaa 180
agacttttta acttaaat tttggccaaa ctttttgcta cttcaatagg aattcccttc 240
ctatttta atactcttct taagactcta gaaactttct tgatcatcca tcttgaatat 300
ctttgtcttg aataaagctt tgagaaacat gtaacccttt ggcaagcttt ccctttggca 360
tcatcaaaac attcagcttg atcctttgtc tacatagatg actctcaaaa agcactctct 420
aaaagataag atcg 434

<210> 34223
<211> 373
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34223

agcttatggt cattttcaaa ggatggtggt tgctctacat ctatactcca atgacccatg 60
 atataccaat ttaagtcaag tcaaaagata taatcaattc cagggatgat caattaaaga 120
 ttaactaatt tatctgagat tttccaaaga gtttgatcat gcattattct ctacctaggt 180
 ctaccaaaca taaacaaatg atcaccacaa tacatttgat taancatatg attgatcaat 240
 ttccaattaa acaataataa aaaggtagat aattaattaa tataaaaaata ctaaggaatt 300
 tcattaaaaa aataaaggat tacaattaga aagttacatc atatccctta gactaacgtg 360
 actagctatt tat 373

<210> 34224

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34224

agcttgatca aaacaattat ctaatgattt caatccactc attatattca attgctcatt 60
 caaatcattc tcaaacactc atttcatgca aaacaatcca ctgcatatca ttttcaatca 120
 attcactatt caaacacgct tttggtacaa gtaaacaact caaagtgtg aaatttaaatt 180
 aactaaaatt taaaataact aaaatataaa aactgaaatt aaaatgactg aacataaatc 240
 ataaaataac tgaaaataaa ctaaaatttt caagatgcac aaatttaaatt gtcctgctcc 300
 tgtggttgct cctatgcatg ctcattaagg tccaacacct gagcagctgg tgaatcctga 360
 gagataggct gctctaactc agatgctagt gcagatggta caacatcatc angtatgggt 420
 gctagggatg gctctgggat ctg 443

<210> 34225

<211> 378

<212> DNA

<213> Glycine max

<400> 34225

agcttgcttt attcttctgc ttcttgctaa aagagtcaaa tatccattaa tgtatatgaa 60

cgaatcgctc gtgggtgctg atttcctaac acgctggctg tacttgacat aaacgccaaag 120
cgaatcataa ataatacctc ctcccgtata atttcaagaa atcaggatat actaagactc 180
tagttgttca taattctcac ttgtctaaac tcttttgtat tgaaatttac acatttaata 240
aattaatact cgcagctgac taatgtggta catcattctc tacacaatgt cttcacgata 300
tttataactct ctctctgcac gatcccatcc tcttttaaaca agcactcttt cgggtacaaca 360
tacttatgcc caatcact 378

<210> 34226
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34226

tactcaagct tgttgatgag actctgagac ggaggaatct ctttgattct gttttattat 60
gaccatgcaa cagtatgtat gtttaagagg gatatgatat ttttacattg agaaattaaa 120
aggatcatctg attttggttg gtatattaga ggtagggtat acaacaatat aaaatcgatt 180
tggttgatttt atgtcaagta aatcctgtgt ggatagggaa agcctttctg aatacctact 240
tgatcaccac atccatcttt anaaggaaaa ttagttgcgc tcaaattttc agagatgaca 300
ttatgctctg tgattatctt tttcattgat tgaaagtcac taatgatata tttcatatcc 360
tttatttatg tctattaaat gctgatgacg ttttgccgt 399

<210> 34227
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34227

gacccataa gtcgantgca cgcctgcacgc ttttttttgt gtttgtaaca tcgttgcaag 60
ctacaccttt ccatcgga cactcacctt tctttctaag acgaaagcct tgaacacgga 120
tctttgaagc tttctttcat attgacaagt gcttggctct cttcttcatt gcagacaaca 180
gagaaccacc ccctggaact ggaagaccac aattcacatg caattataac gataccacac 240
ctcatacccg ccgagctctg catgctcgtt cgttctgtat cccactcaaa caatttgatg 300

cctgtgatga tcatacg 317

<210> 34228
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34228

gcctaattcg tctaagagct cgacagcggc gggcattgga tatcgatcac gcaccngat 60
ngcattttaa gctctgtagt ccatgcaaaa gtgccatgaa ccatacctgct tgcgaactac 120
gagcacagac aagacgggtc ctttctagag cattgatcca acctgcgatt caatctcatg 180
tttctggtaa tgtggataac gatagggccg tacgctgact ggcgcacctt gcttcatgat 240
gtgaatgtcg aggtctgttt cgcgggccgt cgtcatctaa taacggggct caaataatgc 300
acgaaaatga tcaattcaag attggatacg tgcgtgggga gacataccac tctgcggtgc 360
gttttctacc act 373

<210> 34229
<211> 527
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34229

cacacgcacc ccaccgcctc cgcacgccac cgatagccca aactaaatc aacaccacat 60
anactnnntt nntnnggac ggaccgngc tegacntcgt anaacancac anannnaaac 120
anannnggna cagcgcgcac acaaaaagca accagcacgc acgttttctt gtgacaacac 180
aagaccaaca accgccggct aaggacgccg caacaacca ccataccacc gacacaccaa 240
ccgaaacccc acccaaccca accaacgaaa cgacgcgccc gacacggcgc aaacagacaa 300
gacgcggccc gcgacccaac caccgacgcc cacacaacac cagtcgga aacgaccaca 360
ccccccaccc accccctcc gccacagcg gaccacaac acgaacacca gccaccagca 420
acacacgcac gcaccagccc cagcgaacta caaccaccac accaccgcaa ccccgacac 480
acaccggaca cccccacaca acaagacaca gccccccacc acccacc 527

<210> 34230

<211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34230

acaacgccaa cacgagaaca ataatgacc gggataacgg atgacgaacc acataaagac 60
 tnanacaacc gcgagacaat tgatgcgtcg tagcccnca cntaaatann aaaacnnaag 120
 canngaganc ggaaaaacgc cacacagcaa agaatttcat tatcccccg aacgcggacc 180
 agggggggga gagaagcgca agacacgcc aagcacagaag gccagaccaa acgcccggca 240
 caaaagccga ccacaggcgc aaagaggagg ccaaacacca gctcgagcgc cnagcgcaca 300
 gaaggacgac aaacacacga cagcgagcaa cggaccaacg cgccaaccac gcatataaca 360
 cgaacagaag cagcgcgccg aaacagacga acaggcgccc atatacaacc agaacaacac 420
 accacgcaca aaactcaacg ccgcgcacac cacacgaatg aagcgcaagg ggaggcccga 480
 aagccacaaa gaggcgacga ggagggaaaa aaccgcgcaa agcacgcaa aaaatgaaca 540
 ac 542

<210> 34231
 <211> 234
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34231

ttgctttag ttaattcaaa cgacaataac ttgttaatcg gatgtctgat tgagtcccg 60
 catatatga gacccttcaa attgaatgct gaagctctca gccattcaa acgacaataa 120
 ctcttactc gaatgtccga ctgagtcccg tcatataacg agacgctcga aactgaacgt 180
 cgaagctctg acccaattca cagcacaacc actttttact ccnatccctg attg 234

<210> 34232
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34232

ccgcttaaac attcaatttc gagcgtctcg atatattact agattatata ttacatccgn 60

gtaaaacggtt attgtcgttt gaattcgctc agaggttcaa catttaattt cgagcgtctc 120
gatatattac gggccttaat cagacatccg aatacaaaga tattgtcggt tgaattggct 180
cagaacttca acattcaatt ttgagcgtct cgatatatga taggactcaa tcagacatcc 240
gagtaaaaag ttattgtcgc ttgaattgtc ttagagcttc aacattcaat ttcgagcgtc 300
tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg tttgaattgg 360
ctcacagctt atacattcac cttcgagcgt ctcgatatat gacaggactc aatcagacat 420
ccatgtaa 428

<210> 34233
<211> 331
<212> DNA
<213> Glycine max

<400> 34233
ttttctttga atggcggttc atccataaga atgaacattt tcattcatga acctttatct 60
tttaatgtaa tctactactt tgogaagtga ccatcaaaga cttctattaa aaaactacac 120
tacaaaagct ctcatgtac aattgagtgg tcaatgacct ttgataaaga aacacttgct 180
agtaaaagtt gcgttttata aataaataaa taaaatcatt tttatccgtt tctgcacact 240
ctgaaatoga ctaaaagaaa ttaatatacg tctgcatata taccttaca acttatggcc 300
actcctctca gttcacaagc atatcacata c 331

<210> 34234
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34234

acctccttaa cnttagaccc aaaatagcca caacagaaca attatgacct ctccagcaac 60
aagtacaatc ctgggtggag gaatcatccc aaccttagat ggtcgaatcc ttcacaacag 120
cggcaacaac aacaacaaca acaacaacct tattttcaga atgctgctgg cccaagcaga 180
ccatatgttc ctccaccaat ccagcaacaa caataacagc aaacagatga ggcccctccg 240
taaccttccc ttgaagaact tgogaggcaa atgactatgc aaaacatgca gtttcaacaa 300

gagaccacag cctccattca gagcttaact aatcacgtgg gacagtcggc tacacagttc 360
aatcaacaac agtcccagaa ttatgataga ttaccttttc aatc 404

<210> 34235
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34235

cggaccggcg ntttgactcg atgacacttt atanaggcaa ttctatcttc gcaccggggg 60
atcctgtata ctcaaagtgc acgcatgcgt ttttatgata ttataacatg atagacacta 120
gattctgtaa cttgcctctc actgctaatag aagtagtgaa gaacaatgcg gaaatgactt 180
atgcgaacag ctcatcatga catgggggatt gccatacatc aacctattgc agatactgat 240
ataactatct tatgaatcaa taacattcgt tgactaatac tgaaaaccac ttatattatt 300
aataaattct cattcgatac taagtggggc cactaatgat tactttattg aaattatcat 360
tatatgcgcc acttaatacc ccacctatat ctcaagcttt atcctctttg agacttctcg 420
aatctggaat gttatcttga cccaggcaca tcactatact gatcttagcc gc 472

<210> 34236
<211> 369
<212> DNA
<213> Glycine max

<400> 34236

agttctagct gtctaggaac ttagacgttg atgaactttg ttcaacataa attgagaagt 60
attcctagaa gccatcttat gaaagataga cactccgagg tactttccca gatccttagt 120
ccacgccata cccatttgct cacttagttg atccttgact cgagcctcca catttttgga 180
aaagaacatt caacatttct ccaacctaata tttctgctta caactcttgc aaaacaaatt 240
ccaaatattc ctgattgaat ggacctgctc cactaaagcc ttcataaata aaataaggctc 300
ccatgcaaag gctaagcgag atataactgg accatgtctc acaagacgaa tatggcacca 360
tactctttg 369

<210> 34237
<211> 360

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34237

tgcttatagt atgcccgagt cattcatccc tatgagatgt tgttgaagta ttggcgatca 60
gaattgccat tccttggatt ataggattga accaagctca tgctcttaca aaaaggttca 120
tcaagtcaag ttgaaatcag gaagtaaccg tcttgcaaaa ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcac tactgcaaaa catatttang attgttgatg tccttgttac 240
ttncagtttc accttgacaa agttgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tgcattccatg 360

<210> 34238
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34238

ntgaggggtgc gcagcccacc atcttttcat agtagagtac cgataatgtg tctaccatca 60
cgattatcgt ctccctttcc attattgggg gtaccacctg ngccgccaga tcctccacc 120
ttttgggcgt gttctttgaa tgatccgtcc ccctttntgc aaatgttctg tagttgcac 180
ctatccagaa ccatatcaaa attgtattga tactgcctaa caaaggcaac cattangtcc 240
ttccaagaat ggactcgga agattccaag ttagtgtacc aggtaacagc taccacagta 300
agactttctt ggaaggaatg tattancaat tctcatctt ttgcgtattc cccatcttc 360
tgacaatata tctttagatg gttcttggga caagtagtcc ccttgtactt gtcaagggtcc 420
agcaccttga acttggg 437

<210> 34239
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34239

aaacaaacaa gggaatctcg agtccaatat atctatcgct taactcttaa agttcattct 60

caatcaatcg atacatatct caattcgaac gagaacaacc tttaaaactg tccactttac 120
 actttgatct atcttatata atcaagggtg cataatcact tccgttgtcg aacgcgtcat 180
 ctgcgtgact aatgtctccc ttaaacaatga aaaatacaaa atctataccc tcaacacgca 240
 aaaagcgnca ctcacatatg cgagcgctaa ctttcgtcca tcacccctca tcaaacaatc 300
 tactttacat atanggacaa atc 323

<210> 34240
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 34240

actcagcttc ttcattctgc atcaacgaat cactcttttt cacattggac tcaccagaa 60
 cccagctaata catatattac ttttatatct catgagagag gattgatctt catctcatat 120
 gaaaaattgc tgcattctac ctgctatggt gcagatatac tagcttaacc gttggagaag 180
 aataaaccaa caagggacgg gcgaggaaaa agagaggaaa gtcactgggt ccaattcttt 240
 ctaactttat ttttaacaaa attaacaaat caatatctaa tatttattga taaaaaatt 300
 gttcccatgc taactaattg acggacttca ccatttaatt attgtgaaat atatactcta 360
 tatttacaca 370

<210> 34241
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34241

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt tacctagggg gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactgaggc acctgttcta gctcttcttg acttttctaa aacttttgag 180
 ctanaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg cgggcaccct 240
 attgcttatt ttactgaaaa acttcatagt gccaccctta actacccac ctatgataaa 300
 gagctttatg ccttaataag agccctccac acttgggaac attacccttg tttccaggaa 360
 tttgtcatta tagtgatcat caatca 386

<210> 34242
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34242

tcttatccaa ggctcatctt ggtggtgaat ctcttcttc catggcttat tccctagtgg 60
 atggtgcctc ctctcacctc ttctcctttg ttttccgctg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atctaacctc catagaagcc ccacaagcaa 180
 gcttccatca ctgaggttga tcaccatggg gggaagttgc ctgcgacga cagggtgacc 240
 ttgatacttg ctctctagtt ttcctaagtg agagtgtcat gtggacacgc ttangctatt 300
 tcttgacgaa tgataccata ttgcatttta gagttgagtc acgtgcatgc atcattctga 360
 gcataatcga tttgaatatg aacaagttga tgactagttt gttaagcgta tgttgaactg 420
 atg 423

<210> 34243
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34243

agctttatta gtgcgggtct gggagacgaa ggtcaagtgt tcgcgatatg tgaagatgat 60
 gttccaagta ctttggattt ggtccgacca tgccctcctg atttccagct aggaaattgg 120
 cgagtggagg aacgccccgg catttaacga acaagcataa tgtaaaccct tacggtttta 180
 aaagctctat agttgggcct aggtctttaga gttttcattt tgtaaggct ttgtgtcttt 240
 tgtttttgaa tttataatac aaggatcttt ctctcatctgt tcttgggtctc taccattct 300
 cattcatttg catgtttact tctttttcta aaaaatggca gattcgatga caagtcctcc 360
 gaaggtacta atacctggga cccgtctatc aactt 395

<210> 34244
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 34244

tgatcaaaac aattatctaa tcattccaat ccactcatat catacaattg ctcattcaaa 60
tcattctcaa acactcattt catgcaaaac aatccactac atatcatttt caatcaattc 120
attgttcaaa cacgcttttg gtacaaacaa acaactcaaa gtgctgaaat ttatataatt 180
gaaatttaaa aaaattgaaa tataaaatct gaaatttaaa tgactgaaca taaatcataa 240
aataattgaa aataaactaa aatgttcgag atgcacaaat ttaaagtcc tgctcctgtg 300
gttgctccta tgcattgctca ttaagggtcca acacctgagc agctgggtgca gatgggtgtg 360
cataatcaag tatgggtgct agggatggct ttgggatctg gttttagtaa gcatcctcct 420
cttgagccct gttgtc 436

<210> 34245

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34245

accgggatct taagtcaactg cagctgcagc tttctttaat tacatnttct ggccgaagtc 60
caacctgcca tcatccggcg attaatctcc tctgctgaa tatgggtctg atcgtgtctg 120
acatccatcg ctccaccaga ttgtggacga gactcacatt tgccacgtcc actgttctat 180
actaataaaa tacttgcca tgtccatgtc cttcttgctt acacaaaagt ataatttga 240
atttcccttt cttgtacaa catcttatat aaatactacc acctcattcc tctaaactca 300
ttctcctac ccactgttc 320

<210> 34246

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34246

gctcagtggg tcagttatct aatactgggtg caaaaatnta tttttatata ttctgaatga 60
atgagaaatt tagatgctaa caaaattaat atcattccta agaaattat taaaaattca 120
acgtgacaaa acagatcatg caaaaagcat ttcaataata ataataatag gtagataata 180

tagataatag aagatttgtc accaattaaa ataattacat acaatataat caattgaaaa 240
cataattatt aatcaaggta acataattgt atgcacttag ttactatatt aaatggattg 300
attgatttgt taaaatttta ttttaaagta atcaaaaata aattgtaaca tttattattt 360
tatttttttg aatttgaact aatttgaatt aactaattaa aatagaatta atgacactta 420
gctaattgctg aatg 434

<210> 34247
<211> 395
<212> DNA
<213> Glycine max

<400> 34247

agcttggcct caagttcctt cgcttccatg caacttccat tcgcgagaa ctcggaatc 60
gtcacacgct cgttcttacc ggactccatc aatcatttcc tcgccacctg cacaccaca 120
aagcacgcgc gttaacattt ttttttttg cctctttccg acaagtgaag attaccgaag 180
tagattttgt ctctttcgat aaagcctttt ccataaaca ccagttaatc aaagccatgc 240
ttaaaggaa cctagctacc taccaacatt gttggtacgc ggcggttaac attaacggat 300
ccaaacaatg ccgttcgaga ttcattgtgt tctcattagt tgcgcgtaaa taacggaaag 360
aaagaacaac gtccgcgctg tgaacagaga ttaat 395

<210> 34248
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34248

ccttaattctc tttgtcaaca caaaaacttc ccgtgcaata cttcatttat taacgcgttg 60
ccgagggata aacacatcta aagtaagggtg ttagattata tgataatata ttctgatttt 120
atataattct tatatctatt agattttatct ttagtcatat ctttagctat taggtttatc 180
tttagttnta tagttgttat atctattcga tttatcttta gccattccat tagatttatc 240
tttagccata tctttagctt atatatcttt agcttgtaac cttatatata agagaatggt 300
gcttaatgaa ttattcaagg aaacaatttc tttcatggta tcagattgct taaggaaata 360
tttttgaacc ttcctcagcc ttccgcacac aggccttagc gtcgttttagc ccctttcttc 420

ttcttctccc cttcttct

438

<210> 34249
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34249

actatccatc catcttccca tgctatctac gcattcactc tttcgttcca cattaacgta 60
ccatctacca aacttatatt atacacaccc actccctagc cacctatcct tccacaaacc 120
tactagatct ccaattctcc actccatcat cttctcaaac cacccatcac ttccacntcc 180
acacacttgc cttatgttgc tccaccacac gaatggatag tgcctcccac cattctcgct 240
attnnttcac ataccttgaa atcatattat gtataacttt ttccattctc tatacatcac 300
ttattctct 309

<210> 34250
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34250

gcctcctatt aaactgtctg acatcttgat tccttaccta tatagtaaag atactgccga 60
gagggttgat ctaggttcct tgggcataac gtgatgccgg ttggccaaga gcctgaaaac 120
caacatgtga gtagtgcct gacttaaagt caaccaagt aaaactctct tgtctcatac 180
agtcccaagc cccaattgt aatctttgat gagtaatttg aactgattg gatgctggga 240
ttttgaaagc agaatatatt aattctgtn gtgtcctatc taaaattaca taccctacca 300
aattgctaat gcgtggattt 320

<210> 34251
<211> 354
<212> DNA
<213> Glycine max

<400> 34251

tttcttctaa tgaagtgtgg agacccaaaa tcattcatac ttagacgaaa ttgtcataaa 60

gtgatagaag tcaactgagac acgccgataa aggacaatga caaaataggc gtctacaaag 120
 tgcttcacta gaaaacgaac ggcgagctaa aggcgatggc caaaaaacac gttgaaaaga 180
 gacaacgata gaatacgcaa tcaaaatgat ttgttgaaa atgaacaaca aacaaaagga 240
 ggtggcaacc atcgtagaga gagacgaaca aaaaatcatg aaccaataaa gtgcataaaa 300
 acgtgttttc gtactgggtc caactaaatg atcatgtatg tatggggaca aaac 354

<210> 34252
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34252

ggaactataa aactccgctt gatgagtact gggaaagatg aagaaattgt gtgcttttgt 60
 cctcaccacc agatttctga gcaactcctt cttcaatatt tctatgaggg acttagcaac 120
 atggagagga gtatgattga tgctaccagt ggtggagctc ttggtgatat gacccctgat 180
 gaggctagga atttgattga gaagatggct tccaactccc aacaattcaa tgcaagaaat 240
 ggtgctatta ttcttanagg agtccatgag gtggccatgg attcatcttc atctactgaa 300
 aataaaaaagt ttgaaggaaa acttgatgcc ttggtcaacc tagtaactca gcttgccatg 360
 aatcaaaaat ctgcacctgt tgcaagagta tgtggtctat gttcttctac agatcaccat 420
 acagatcttt gtccttcttt acagcaa 447

<210> 34253
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 34253

ttgctttggt tatggtactt acccgttgaa gatcgaagaa cgatgaagaa cgactgacca 60
 acgtccaaca atggttgaaa cctttgcgaa attcctcaca gaaaacgtta ccgaaacgtt 120
 tcggaagcgc ctccgcttag attttcttca cggaacaat ttttccaagc aaattccaaa 180
 gagagagaag tgcctcacgg gctgaacccc ttccttcttc acttctccc ctatttatat 240
 caaaatacgg gaggtggctg tcgccagct cgcccaggcg agccaggatg cttccttcac 300

aacaacacgc ttctggagga atattcta

328

<210> 34254
<211> 418
<212> DNA
<213> Glycine max

<400> 34254

tgtccctcac ttccatatta gagccacta aggatctctt ttatgcttgt tctttcctcc 60
tcctaagtc cagctcttaa atggagtact tccatttggt gtctatattc ttcaatactc 120
atactccctt gtctaagcct ttggagcttg ccataagct ccctttcaga gtaggagggga 180
atgtgcttct tcctaagggc actcttaaga ttattccaat actctactgg aggatcccca 240
tgaatccttc attccataac aagggaagtc caccaataga gagcctaccc ttgaaagcta 300
acggtagcca atggaacttt tctttcttcg ctaatatgat ggcaagcaaa gagttgctca 360
accttcattt cccaatctaa gtaggcctca ccattatctt ttccatggaa atatggga 418

<210> 34255
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34255

tttctttagt caaactggat gcattgggta actcggtcac ccaactggnc ttgaatcaca 60
aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcat cctgcagcaa tcgagcagcc tgaagcttat gctgcaaata 180
tttacaatat acctcctcaa cctcaacatc aaaatcaacc acatcacaaac aattatgacc 240
tctgcagcaa cagatacaac cctgtatgga cgaatcacc taacctcaaa tgggtccancc 300
ctcatcacca accacagcag cctcgctctt 330

<210> 34256
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34256

caaatttgat catcctgctt tgatgaatga gaaaactagg gcaaatagaa aggatgagaa 60
 tgaggaagga acccgtgttg tggctgtcat tcctacatgg ccaaacttcc caccagccca 120
 acaatgtcat cgctcagcca atatcgcccc ttctccttac ccaccaccca atcatccata 180
 aaggctatcc ctaaatacatc cacaaagttt gctagccgca catccaatgt aaagggcaaa 240
 ccgaaacacc aaccaagaaa tgaattttgc agcgaataag cctgtagaat tcaccccaat 300
 tccatcgctt atgctgattt gctcccatat ctacttgata atgcaatggg agccataacc 360
 ncttgccaag gtctcaacc t 381

<210> 34257
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 34257

tttctctctt cttatccgca aatgaacctg cccaacctca ctctactcca gaaaaagatg 60
 atgacaaaca tctaaagagt cagttaccta acaattccta tgcaggtgaa tcttccactg 120
 gtaattctga tttaccgaac caacatatcc ctcttccatt ccctccaaga gcaatttcca 180
 caccaacaac ggaacacgca tacaacgaaa tcttggaac atttacaaaa gtagacgtcc 240
 acatacctct gctggatgca ctaaagccaa ttccaagaca tgccacattc ttgaacgagc 300
 tgtgcact 308

<210> 34258
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34258

tataataggg tgatgttcga ggggccatgg atgtgtgttt tatctttata ttatgatata 60
 atattggcac cttttttaat ggcaagtgcg acatagagta ggaagttggc agtgtggatc 120
 tatatcccaa aattacatat tgaactttat aatcatgagt tcctttatag attgggatct 180
 atcctcgtag cattctaagg tctagtttgc acatgtatgt gtcaaattgg atttgaatgt 240
 gcctctacaa ccaaagtta tagcccgagg atacttggtg aagttacaat atgagggatt 300
 gcataaaatc tatttcaaata gcataaggta tggtcataag gagaataatt gtgtaagtgt 360

tggaatgaca caggagcata ggaggagata agtacaccaa ttggagtggg tggcgatagc 420
aatcacaata tgacg 435

<210> 34259
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34259

tgcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatatcc tgacttcacg tttcttggag 180
gatagacatg tggaggagta gctagtttct tgggggtgtcc atangtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaacct ttcacacac agctgactga tgctgatcaa gtttgccgct 360
agtccttcca ccagcagtag 380

<210> 34260
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34260

cttgagcaat tcanatgggc tgaacttttc acttttagtt ctgattctgg cacatcacat 60
atatagacgc tcgaaattga acaacggaag ctctccagat attcaaattg tcataacttt 120
taacttggag gtccgattct ggcacataat atatcgagac gcccgaaatt gaacaacgga 180
agcacttgag aaaatcaaat ggctattact tttaactcga aggtccgatt caagcacatc 240
acatatagag acgctcgaaa ttgaacaacg gaagctctcg agatattcaa atgattataa 300
cttttaactc ggaggtccga ttcaggcgca taaaatatag aaactgtcga aattgaacaa 360
tggaagctct cgagcaattc aaatgggtcat aacttttcat tcggaggtct gatactagcg 420
catgatatat cgagacgct 439

<210> 34261

<211> 385
 <212> DNA
 <213> Glycine max

<400> 34261

agctttaaat aagaaatatg agtaacaaat gaacatatgg tatcattgat atttgatcca 60
 atacaacgac agagattcat gttatgtctt aagtgttgga tttggactca atcaaagatc 120
 aaaaccatca tatcaacaag cactaatgtg tacaaaaagt tgctagcttt tacatccact 180
 tcattcaaaa ttcttagat tttgattttc aatcgtaagg gtatcttcat tttttttaag 240
 aaattatatt tgtacaaaaa atcttacaat aaaaaagaga gaggaagag aaaattttga 300
 aatgtaataa atgatatgga aggaaaacat agacataataa aatgatatta tataaattgc 360
 tgcaagaatt gctgtacatg tatta 385

<210> 34262
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34262

ctataaaact cagcttgggg ctgcgtggct tgtagttcct atgagcttgg gagtttttga 60
 agtgaggggg aagagttttg ggtgaagaaa acgttcccc tccacctctt tatattttcg 120
 tacagggggt gctcgcccag gcgagctaac ctgtaccctt tttttttttt tttgagggga 180
 acattaacca tgtctcctcc ttcttatgg gttagcgttt gccacttga acctacttaa 240
 attagaatta ggtgtcgatt acttatttaa aacaaacaat agtaaaagaa actgcgaatg 300
 caaaggatac tgggctgcct tgcaacgacg ttctctgctt gtttagtgcc gggaaggggc 360
 aacgatcggg cggtcgtgac cttatcccca cttgcatcgg tccctatgta cctgtaagta 420

<210> 34263
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 34263

agcttaaggc tacaaatata acactttcat gtttaagtttg ggcttccacc tctgcaaac 60
 cctccttcca ttatgttaat cacacctcgt agccaagtct tgagtgggaa agtctcactc 120

tagcacaatg attctgtcgt ctcttgagtc tagttgcact ctcggtccta ttgcattccc 180
 tttcttgctc tcatgaaggt tccttatcct taatgaatct ctgcagctac cccttctaaa 240
 tcaatttttc tattttttcc ttgagggttaa cgcattcctt agtgttttga ccaatgactc 300
 actgataacg acaatatttg gacttggcta ctccctagtg aggtcactct ctagaccaca 360
 actgaatta 369

<210> 34264
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34264

tttatctatc tattatgaaa catgggttaac ttaaaaatat gatttatgat cgtgctttaa 60
 gcgtttattg aattcaggga aatcctaaat ctatatataa cgcaatttgg gtttttatac 120
 tattttgaat gccaggagaa atatttgtat gcttctcaac taccatttc tacagcttta 180
 gtctgtccaa gaatgtggcc tttcttggtg aaaaataatg ttttttttta tttttttaga 240
 aaatacattc taagatgtcc cccttgatat cttcctacct ggactacttt tagtaacttt 300
 gtaatgcatt cttattagac aatgatacaa acattcctaa taacatcttt gaagcatgtg 360
 atggtaagat tgatgatgct tatgtggagc catcatttgc tgttgngaaa tct 413

<210> 34265
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 34265

agctttattc aagacaaaga aattaaagat attcaagatg gatgatcaag acaagtctct 60
 agtcttagaa agggatatatt aaataggagg ggaattccaa ttgaagtagc aaaaggtttg 120
 accaagaatt ttaagttaaa aagtcttttt caacaaattt actctctggt aatcgattac 180
 cagtggccaa aactgattta caacagctat taaaatttga attcaaagtt tgcactgtgt 240
 aatcgattac acatatatgg taatcgatta ccagcagttt ctgaacgttt taattcaaat 300
 tttaaagctt gtaatcgatt acacacatac tgtaattgat taccagagga gtttttcaga 360
 aaagattctc aacagtcaca tctttctgtg tg 392

<210> 34266
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34266

tctagattag tgtaccagac ggcgcgcggc cccagccatg ctatcttga agaagtgcac 60
 taacaacttt tcatccctag aatgcgcccc catcttgca caatacatTT tgagatgggt 120
 cttaggataa gtcacccctt tgtacctatc gaaatcaggt accttgaatt ttgggggggat 180
 gacgatgtcc ggtactaagc aaatatcagc catgtccacg aatggatagt cgccatagcc 240
 ttcaacaact ctcaatctct cttcgatgag attgagtttc cttttttcct ccggttgcacg 300
 ggggtggccct tctgcggaca agaatatggg ttgtgctggg aggtttcgag gttctcccg 360
 gaggttgggc tgaggtagtg tgttgggtgc cggccctcg acgtggatcg gngagtanga 420
 atcgatgtct ccttggg 437

<210> 34267
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34267

agcttgtctt agcgtctatg cgagacagaa accaacaatgt tagctatcat cgccaagtac 60
 caagaagagt tgggtctagc cacggccac gagcatagaa tcgcggatga gtatgcccac 120
 gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta 240
 gccaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300
 ggctattgtc agcatatgat agacttaatg gccacataa ttagaaatcg ttaggaaact 360
 tgtatggctct ctcagacctt gactagatac gact 394

<210> 34268
 <211> 427
 <212> DNA
 <213> Glycine max

tttgggtggaa cctataaggg ccaaatttca gttatttttg ggattaaatt gtttagctata 240
 ataactattg ttttttataa aagccaaagc ctaggctagt tctcccatct tgctaaagat 300
 tttggagaaa gaggagacca tatttttctt cttcttccaa gctttaccaa gtattcttga 360
 acccttcttc catcaagctt aagtaagtga cctccattnt caactctaag gctgattntc 420
 acttcatctt cttattc 437

<210> 34271
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34271
 agctttgtgt agaagaatga tggataatct tgatccaatc aaggataact attttctaaa 60
 aaaggcaaga aagagactga gactttctga tgtagttgtt ttctcaaat cacatatttg 120
 accctatttt ctttggtaac tcattttcta attactacct aacaaatatt ttgaaagaaa 180
 ataactctta atatacgcg gtagaggagca ggtaaatcca tattaanaag ctgcaaaatt 240
 tggcaaagga tacatccaga tcttatgcga tcgagttctc cattgaaaat aatcactttc 300
 cgttcagtgt tcaagaccgc ctctttataa agttcttcca caacaagtat ttctgaaata 360
 caagggagca gtaatcatga ta 382

<210> 34272
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34272

ttctaactaa atagtgttat gaccatatag atgtgctga ttgcattgaa tgagataatg 60
 tgcaaagttg ggaatgctaa tttcagttgt tttgatttaa atacacataa ccataaact 120
 tgtgtgcttg aaagaaacac tatctcatg agaagtgaag catggttgat cttctttgat 180
 gtttgtcata cttgctaacc tattttatct ccaagtgcac tcttcgcac cttctatcat 240
 gaaaactatg tatgacaaat gtgaacttga gagttagaaa ttgaagttgt ttgaaagata 300
 tgtagttgtc tcaattattg gggctgatta cattctaaac attgtcattg acctaaacta 360

gtgtagttta gtttactttt gcttgaggag aagaaaagct ctattgnggg agtttgataa 420
 ttgttatgta tacgtaaatt 440

<210> 34273
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34273

cttaagtcac ctgcggcatg caagctttca ttccccacc attccctccg tattgttttt 60
 tagtagattt tccaccaccc ttgctcccg aactccatgg ttcagacaat gtagaccaag 120
 cataaacatc accaccccag tttgtcttgt ttttttttaa acaagatgca ccacgcccac 180
 catgccctcc accagctcca tcgttgccaa caggtgtgcc actattttgg gaagggtggag 240
 accctcctaa agatgatgag tctatataag aattgtatcc cattgtcaga ttggctgcaa 300
 ataaaaccac agagccagaa acaatggatg catcttgacc aagtctaacg ttgccggata 360
 cattgactgt tatcatacac ccttncatgg gacataaaaag tgacacatca gagagtatc 419

<210> 34274
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34274

tactaagctt acgccttaaa aaaatggccc aaagaggatg caagatttat attataccaa 60
 caacattacc ttcagtgaag aaagttatct cctatagcat tagccgaaaa agattttaatt 120
 acaaaatctt atggcatttc ccgttgggga gttttctcaa gcaagtttcg tgcattggcag 180
 tgtgtgttac tcagaacatg ctgagttatt tttagaagaa aagtaaaaaac gtgagagatc 240
 accaaacctt gggtcagcaa gatgcagtgc agaagcaaaa ccttcgattt gagactgcct 300
 ccaaagtagt ggagtttcag ggttttaaaa atcgtcctg aacaccaaata gtcgcttctt 360
 tgccaagaat cccgtttgaa acccanaaaa nattatagca ggaaccaata aaatggataa 420
 tggagaa 427

<210> 34275

<211> 125
<212> DNA
<213> Glycine max

<400> 34275

tttctctcgag caaattcaaa cgacaataac tgtggactcg gatgtacgat cgtgccccgt 60
aagatatcgg gactctccaa agcgaaagcg catgctatcg cagaagacta acgacaataa 120
cttgc 125

<210> 34276
<211> 382
<212> DNA
<213> Glycine max

<400> 34276

atattatttg ttctaatacg acatcctagt caaaagttat tgcgcttga atttgcttac 60
agcttcagct ttcaatttcg agcgtcttga tatattacgg ggctcgatca gacatccgag 120
taaaaagtta ttgctgcttg acttttctta cagctcccgt tttaaattac aagcgtctcg 180
atatattaga gggctcaatc ggacatccca ataaaaagtt atcgtcgttt gattttccta 240
acagcttccg ttttcaatta cgagcgtctc gatatactac gggacacaat cggacatccg 300
agttaaaatt tattgtcgtc tgacttttct tagagctatc gttttcaatg tccagcgtct 360
cgatatattc cacggctcaa tc 382

<210> 34277
<211> 391
<212> DNA
<213> Glycine max

<400> 34277

tgcttgcacg atttacattc tccccctttc tcaagcaaatt tcttaattct tcttgacatc 60
atcaaaatct tcatgattta cattctcccc ctttgtcaag caaattcttt ttgatatcat 120
caaaacctgc atgatttaaa aaaacaagct agcaattcta atgaatcatc acttcatatc 180
ccttcccttt tcaaccaagt tagcactact tcctatacca aaatcccaac atataaaatt 240
tacaacaact ttgtacagtt tataacataa tatgcttaag tcaaacattt atttattcac 300
aaagaacttg cttccctttt tctttttctt ttctttcttt tcttttctat ccaataattc 360

aatatttaaat ttacctaata accctcattt a

391

<210> 34278
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34278

tgcgaggaaa gaagattgcc gngtggtggt gatgagctgc atcaagtttt ccatcaagaa 60
 gtgcctgagg aagtgcctca gcaagttggt ttgcgcgaa gaccaccacg aagcgatgat 120
 catgttgaag gacatgccgc ctgagccaaa ctggtaccaa gggaagtgga ggagggcaag 180
 gcacaatggg aacaatgagg agctcaaagg agagaataat aacaacaaca agggagttca 240
 aagaaacaga accattgcct tatcagggcc tttgatggg aatggaagaa taattcatga 300
 gaagatggtg aacaacaaca aggtgatgaa actctctggt cctcttgatg ggaaaatgaa 360
 tgggtgtaac aatgagagag tgaatgtgta tgcaaatgca aatagaagcc cattgat 417

<210> 34279
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 34279

ttgtcttgat aattgatctg gccaccaagt ccaatgcact tctgttatac actctccatc 60
 tctcctctga cttatttata tatgttgatt ctccctcta aggggtgtaat tggtttagag 120
 gatggaaata gacgagaaat tttttaattg agtagagcgt aaaagggtgtg ggtcccacaa 180
 aaaaggtaaa aaacttatct caaatatttc tctcctctct accaaacaca ccattaatga 240
 atcatgaact cacaataaat ctccctgcat gttgaaaatc aattgtcttt tggctattga 300
 gaatattggt ttaaccact gccccgcct tgctctctga acaccaaccc attcccat 360
 ctctccatct tgtttc 376

<210> 34280
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34280

gtatttatga aacaactttg cttgtaattc tttttcttat aattttatat aacaaggggc 60
 atttgaaatt atttatttga gggtataaaa gtgactaatg aaatttctat aagtttttca 120
 ttgtattgga ccttagatgt aacaaaactt ttgttttggg tgcctgtcaa gtagtaagta 180
 acaatgtagt gtcatatcat cacttagttg acgataaaga ttcaacaaaa gttttgatat 240
 atcaagacaa taatgtaacc aaaaaattta ttgaagaccc aaaataaaaa attgtcattt 300
 atcatgaatt tcacacatat ttaatctttt cttttattta caagagtttc acgttcgaat 360
 ttattaataa gctcttattt aataacattc tattgaatag gtgcttcatt aacttcgtta 420
 cctcaatatt 430

<210> 34281
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34281
 tgcttgcaaa atatggctga ttgacgtttc tcttaataac acatttagat gtccaacata 60
 tgattaggca tggctgtaca attctgtata gtaacataaa acttctcgtg tagacaacaa 120
 caaacatcat tccacatcat ctagccattc aatgactgaa gaaagattca tagaaatttg 180
 taatacctat caaatatttg tccaaagga accattgcaa cgtaattagc agccacctgt 240
 aattacattt catcaggtat tattagagtt gtcagagagg cacatggaag tcaagtcagt 300
 cttgccatat tgagatcaat atcacttgct gacagaggac ttaactctac tccagacaaa 360
 ggtcactact cttaagttta ttcaagggtg aaaaaac 397

<210> 34282
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34282

agatgcttac gggccttgaa acatgtgctt ttgtttcttt gttttatcaa gccatttttg 60
 gcctagtgtc tgttccctca tcaagtctat aattttagcc attagaatac agtggattag 120
 ggtaatgctg aacttgtatt atttttcacg ccactcttga ccttaagctt gttaacaatg 180

ctttgagtat atgttgataa tgataagtta aagagatggc ggaaattaca cttttgaagt 240
 gtgataaaga taaaagtagt atttttaaga actagaaagt ccaactaaat aagttgcaac 300
 tacttttaaa gttgctatac ttgcaagtt ccgaaaacct ctggtgtctt gacctatttg 360
 gcatattgag ttttcatgtt cagagggaat tctgtttag ttgctaggaa tgcantgct 420
 ggaaacaaaa t 431

<210> 34283
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 34283

agcttatgcg catatttcct taaaaatgtt ctcttgaca agacattcta ttaaccgaaa 60
 aaatgcaccc atatacaatc aaggcagctc cgttacctag attatttaca cgtacttcca 120
 aggtgtattt gttacttaca tcacacacat ctcttggct aaattcacat acatgcatac 180
 tcaaagcatt ttggattacc aaaaattgca catgtacacc tcttggatt tctaatacct 240
 atacatacac aaactctatg atgaatcttg actatctaca caataagggtg ctacatttca 300
 tgctct 306

<210> 34284
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34284

gacattata gaatactccg cttgtagaat ggctagacat gatacatgtc atggtttggt 60
 ttggtttaag gataaaaggg atgccccaca ttatttccat gacacaaatg caaaaatgat 120
 gatttggaac ctttatgcaa aactgggtcat gcatgcacct atgtggacac tcaagtgtca 180
 aatttttatg gtcatgtgat gctagggctc aggattcatt tctctatatt tagtcaaccc 240
 aatgtttcca aaatatgttc ttttatccat atgtgcattc atccgagttc attttgggag 300
 tccgngaaa ttttcacagc attcaccctt cagggtgtata cacatttttc aaaaactagt 360
 tatgattagt gaattttttt caaagaaaag ttggaagtca tctcttttca aaagcatgtt 420
 ggtttttcag ctagacaact tatttttctt t 451

<210> 34285
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34285

cgctttggtt cactccctac aagtaagtgc actttgcctt gggtatttgg ctctccattg 60
 ttgtggtttg gtgctttagt tgctcatatt atgcgaaatt cgtgaagcaa ttcacatatg 120
 aaaccatact tgttttcgct aaattaaggg gttgtaacgg atggccttaa gcctatgttg 180
 cattctggag taatggggca tgccacattg ccncattct cttgctattc atgcctaaac 240
 atgtgcncac caagtgctcg gtatagggac aacatgtaca gggtaaaatg agtgcctgaa 300
 tgcgaattct acgctaagaa cccaagctct tgatttcaat ac 342

<210> 34286
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 34286

tcttttagtc cttgaacaag caatctactt ctctttcata accatgctat gtgctcgca 60
 ctggtcctt tcttcccttc gcaacttgag ttcattattg ctaccccata gagctccgag 120
 aaatttggtc cggccatact cttccttgcg agccctcttg gtctcttttt caagggtctt 180
 tgcggtaatt gcattctctt cccgtaacct ggcgactcc ttccgaacgt gtgtagcagc 240
 caacttgaac ttctccttgg cgagttttgc ctttcctaac tcgcttttga gagcttggac 300
 ttcctcgctc tcttccggtg cttcaaaatt ctcttcgctg acgactttta acttggcgag 360
 ccaatctaaa cctcgatatgc gaactttcaa ccattcgtgg taccac 407

<210> 34287
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 34287

gacgtatgct ttcttgtaga gttatgtctc gtctcagttg aatcaattac aagcttatcg 60

taatcgatta caccgtcgat tttagacaa tgactgattt attcaagatt ctctacttta 120
atcaatcaca atgagatata atcgattact tctctttcta taagtgtttt agaagaaaac 180
aagaacactt taatcgattg ctttgagtat ctaattgatt atattgttct tgacgcgctt 240
ccagtttttg gaagaacact ctactccatt aacaagataa tctaatoatg tacttcattg 300
acctaactag ttatcttgta tatttaaccg attacac 337

<210> 34288
<211> 384
<212> DNA
<213> Glycine max

<400> 34288

tccacaacat ccaagcaaaa caacattcaa acagcactag ctatcacagc caagcaaaaac 60
agggcaaagg cagaaaactc tgctcaacac actaaccaaa atcacagctt ttctcactta 120
aagaccccag taacaattcc ttgatccaa ttcgttaacc gttggatcga ctccaaaatt 180
ttactgggag tctatagtgc ataagcctac attttgaccg ttgggatcta ctagcaaaca 240
tccagaactt attctacatt actctttcca caaccagcaa atacatggat ttttctgcac 300
ttgtgcaaaa ttctgctgca caattttaca gcacaatctg cacaagagc atatttcgaa 360
aaccacactt cccctcatcc aatc 384

<210> 34289
<211> 356
<212> DNA
<213> Glycine max

<400> 34289

agctctccgt tacttttttt tttttttggg aggggtgaatt ttgacaacag gcagcttgta 60
ttccattggc attgagtggc cgtgatatat gtggtagcgc cattaccggg tcaaggaagg 120
caatctcttt gctactttct ttgggtgttt gtttggttaat ttgtacgtaa tgccttgctt 180
ctgtgggttcg gtgcctgagt ttctgtatga tgggtgtttct tttaatcccc ttgatcata 240
tctgtctatt gtgcttccat gcaaaccgct cgatttccac tactacttt acagagggcg 300
ttgcttcgtc caaaccgcat gcgtgcaata aggggtgctca ttcttactcc caccac 356

<210> 34290

<211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34290

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 aattggaaca tttgggtcccc ctgggtcgggt gaacatgttt agaaataaaa acttgtgact 120
 tgacccaaaa gtcaacgaga ttgaatgggc taggttggat gtgatccaag cactactaaat 180
 gcccaacaca aattgtttgg attagtttgg tttaattcag cttcacgggt gacccgtata 240
 cttaaacacg agattttaaatt cttgcacctc ccatattgta tcctacacct cccaaaaaatg 300
 tttgaaaaga ctaaatttcc aaaacacctc gtccatacta atcacagtcc taagacttgt 360
 tatggcacct ccttcacccg tgacaactat gacctcatcc tccacattgc accacc 416

<210> 34291
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34291

agcttatatt aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggaacgcat 60
 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaatg 120
 attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
 aactttttatt ttcaaaacaa ttacccattt cttgaacata tcctataatc taaagaaaaa 300
 catgcaaagt cgtacgtgca catgaaattg acccaaaata ttaaactgaa aatccgacga 360
 aactaacaac attaacaaat taacacaact aac 393

<210> 34292
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34292

tgtgcaaadc aaatcactcc tacatctcat ctctagcatg cattttcttt ctttaccac 60

tcctcacgtt tgaaaacacc ataactaaac gcgccgcaag ggatccctat cgcaccagat 120
 ccaaactctag aacgatgggc gatcaagagg agacacagga acagatgaaa gccgacatgt 180
 cggctctgaa agaacaaatg gcctccatga tggaggccat gttagggtatg aagcagctca 240
 tagagaagaa cgcggccacc gccgccgctg tcagttcggc tgccgaagca ggcccgactc 300
 ccttggcaac tacgcaccat cctccctcaa acatagtagg acgngaggg gacgcactgn 360
 ggcacgatgg cagccctcac ctgggataca accgagcggc ttacccttat ggattgccgc 420
 ccaactattc accaccca 438

<210> 34293
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34293

agcttttatt ctctgctgat gaagatgaat tgggtggctac ttcattgcaat cctctaata 60
 caatagcatc acttctggcc gtggctctgc aagcaaggaa atctttttct aagaatactc 120
 tcttgaggtc atcccagctc gtgatagacc gtggagcaag gtaataaagc cagtcctttg 180
 ccactccctc tanagaatga ngaaaagcct ttaaaaatat gtgatccctc tgcacatcta 240
 cgggtttcat ggtggagcac accatatgga attctttcag atgtttgtat gggctttcac 300
 ctgcaacgcc atgaccactt ggagcaaagt gactcaatca gttctaagaa catatgggac 360
 atcctcatct ggttattgga tgcac 385

<210> 34294
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 34294

tgaatttaca acgttccaat tgatttcaaa atgttggtat tgattacaat gatttggtaa 60
 tgcattacca gtatgtttga acattggaat tcaaatttaa ttgtgaagag tcacatcctt 120
 tcacaaaaaa gctttgtgta atcgattaca ctgatttggg aatcaattac cagtgatagt 180
 ttctgaacaa aatcaaaaaga tgtaactctt ccaatagttt tcaagttttt cttaaagtca 240
 taacttttcc aaatggtttt taagtttttc taaagggtat aactcttcta atgggtctct 300

gactagactt gaagagtcta taaaatcaag gctctgattt gcattttatt taaaaaatat 360
tcattcattc tttagacaac aaacttttgc caattgcttt ctgaatatct ttgaactcct 420
tcttcttc 428

<210> 34295
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34295

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actaagctca cctccttgag aagcttcctt aagaagattc cttaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaatct agaacttagc 180
tacacacccc caataatagc taagctcacc cccatgacaa aaaacatgaa aatacaaaaa 240
aaaaagtcct tactacaaag actactcaaa atgccccgaa atacaaggct aaaaccctat 300
actactagaa tggccaaaat acaaggccca acctaaggaa aaacctattc taatatttac 360
aaagataagc gggctcatatc ttagcccatg ggctcgaaat cta 403

<210> 34296
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34296

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aaccatttgc atagcacaac ttgtgaaact ttagcatcat ggataacaat caatatataa 120
atctaggtgt acctgaaata attgctactt tagaatacat anaatggccg tgcttaaaga 180
atcaatggat cgttgatcat gtaatatcta cctacaagaa agtggtttttt atttttatta 240
ttatacaatg gactaaacta ctataaatta atcgagataa tattgtagag tacgcaacga 300
attggatcta ttaaaacaaa tattcatgat tataaaaata gat 343

<210> 34297
<211> 363

<212> DNA
<213> Glycine max

<400> 34297

tagcttctat ggaggctgga tctttgagct tcaataaggt ccttcaatgg tgatttttagc 60
catggagttg tagcggagga taaaggagaa gaggtgagag gaggcgccat ccactagaga 120
ataagccatg aaaggagaag cttcatcacc aagagctcct tggataagaa gtttagaaag 180
gaagcttcaa tggaggaaga gaatgagaga aagagagaag ggggggctg gaaattgaag 240
gagaacacgg agaaaagttg aactttgaag tgtgtctcac aagtttctca ttcatcaaag 300
ttatggcaag tgttacacat gtttctatct atagcctatc acatgggaaa cttccttgag 360
aag 363

<210> 34298
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34298

taagggtaaa ttagaccaac tatgggttgg tgtcctcatt agcaagtttt gaagcaccca 60
gcagtggcag gatTTTTgac tcattgtggt taaataaccc ctcattatag tgcagtactt 120
gaccctgta tgctataatg cagttgctac accaaaccaa atacttttta tataatatgt 180
tcaaaactaa agtacttaaa taaaaactgg agaaacaatg ttgggcttgg ttggaaaagg 240
gtgaaagaga ggctgaggga caggaaaatg cagagggtat agagacaaac aaagcatgaa 300
taggtgtttg gctgctggaa acttgagaga gcaaagtgtg gatgagaaac aagcatatgc 360
ggcttcacga tgcanaaaca aggggtgaagt agtggcaata tgctat 406

<210> 34299
<211> 283
<212> DNA
<213> Glycine max

<400> 34299

tctcctttag tttctctagc ctatacgtag cgggttgctt gacaacgaag gaacatgcac 60
gtcagatctg cggaagtgc ctcttcatac tagaggcctc acggacgctc taaggactct 120

<212> DNA
<213> Glycine max

<400> 34302

tcaacattca atttcgagcg tctcgatata tgacgggttc taatcagaca tccgagtaaa 60
aagttattgt cgtttgaatt ggctcagagc ttcaacattc aatttcgagg gtctcgatat 120
attgcgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcggag 180
cttcaacatt caatttcaag cgtctcgata tatgacggga ctcaatcaga catccgagta 240
aaaagttatt gccgttggaa tggcttaaaa ggtaacaat taaatttgaa ccgcctaaat 300
atattacgga actcattcaa acttccgagt aaaacggtat tgcgttgga attgcctaag 360
aggttcaaca ttcaatttcg agcgtctcga ta 392

<210> 34303
<211> 350
<212> DNA
<213> Glycine max

<400> 34303

tgcttttgct agttggaatc atttatacta tctccgacag ccaatgggtg agtctcgtcc 60
agatagtccc gaagaaaacc agcctcaccg tgatcaaaaa tgagaaagag gagttgattc 120
ctactcgggt gcagaacagt tggagagttt gcatcgacta taggagactg aaccaggtta 180
ccaaaaagga ccattttccc ctgccattca ttgaccaa at gcttgaatgc cttggaggta 240
aatctcacta ctgcttcctt gatggttttt ctggttatat gcaaactact attgccccta 300
acgatcagga aaaaaccaca ttcacttgcc ctttcggcac ttttgcctat 350

<210> 34304
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34304

ctttcgtctt acagacagca aagaataatg gttatactgt tcaccactcg agtattttccg 60
ccagtcagcg tgactcaa at gtcagtatga cagatcttgt gagcgcggaa gatgacgtaa 120
atctacgcgt gtcaacgggc ttgtcggccg tgattgacga agggagcaga agactacggt 180

agtcctctgcg tgccatcaag cttttcgtct tacagacagc aaaaaataat ggttatacgg 240
 atcaccactc gagtatttcc gccagtcagc gtgactcana tgtgagtatg acagatcttg 300
 tgagcgcgga agatgacgta aatctccgcg tgccaacggg cttgtcggcc gagattgacg 360
 aagggcgcac aagacgacgt tagtctctgc gtgctatcag gctcttcgtc ttacagac 418

<210> 34305
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34305

cgcttataaa gaaaaattat gacatgattt taaccaatc acattatggt gaaaagttat 60
 tgaagaagtc taattattct gatgtgaaac ttgtttctac ttcttataac tcattcatta 120
 agttaaagaa aaacttgagt aacggaattt cttcacataa atattctcaa attattggct 180
 gcttgctgca ttgacaaaac ttctctaagg ctgacattgc atatgcagtt gatagattag 240
 aaagtaattg agggatttag tgatgcacac tggatttcta attctaacta aacaaaatcg 300
 acaagcgggt atgtttttac 320

<210> 34306
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34306

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 cattcagtg caagatgaac aaaggctctc tcaacttcag ggagttcttc gatccttata 120
 tgcaatgatt ctccaattgc atgtgcttct ttcagtggaa gatcctccgg tagttctatg 180
 tccacctggt tatgtccaac atggatacga atttcaaatt agtttatata aaattccctt 240
 taaatttggt aacatcaaatt gtgttttatg ttaatacata tcacatggag attgggttaaa 300
 gcacatgggc ctacatcaca taagaagttc cttctttatt gagaaaaaca tgttttaagt 360
 tctctaaaata ggataaatta ttatataatn tgcgaccaan attatatatt ccgaactagc 420
 tntacataat 430

<400> 34309

tttcttggtg acacgtggag atttacgtta tcttccacgc tcacaagatc tgtcatactg 60
acttttgctt cacgctgacg gccggaaata cccgagtggg tatccgtata aactttttgc 120
attctgtaag acgaaacgcc cgataacacg cagagactaa catcgtcttc tgcgaccttc 180
gtcaatcgcg gccgacaagc ccgttgacac ncggagattt acgtcatctt ccgcgctcac 240
aagatctgtc atactgactc ttgagtcacg ctgactgccc gaaatacccc agtggttatc 300
cgtataaacc ttttgctgtc cgtcagcaca aaagcctgat accacgcaga gactaacgc 359

<210> 34310

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34310

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cagcgtgact caaaagtcac tatgacagat cttgtgagcg cggtagatga cgtaaacttc 120
cgcctgtcaa cgggtttgtc agccgcgatt gacaaagggc gcagaagacg acattagtct 180
ttgcgtgtta tcaggccttt cgtcttacag acaacaaaaa gtttatacgg ataaccactc 240
gggtatttcc gcccgtcagc gtgactaaaa agccagtatg acagatcttg tgagcacgga 300
agatgacgta aatctccggg tgtcaacggg cttgttggcc acgattgacg aatggcgacg 360
aagacgacgt tagtctatgc gtgctattag gcttttcgtc ttacagacag ccaaaagtth 420
atac 424

<210> 34311

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34311

atctaaccct tgtagtagtc atagaagtca agaagattgt tagttatgaa tgcagaaaag 60
agaaatgaga aattgataga aacaaacaaa ggaagaaatg gaatgttagt ttcattaatg 120
taaaaggata gcttgttttc aatagaagat atttcattaa agttctatta ttttaacaat 180

<210> 34314
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34314

tcttaatcca taaatgaatc tttgcaaata gcataccttc ccagcttcct tcgactaagc 60
 aaaaccctcg gggttatgta tgtacacatc cttaagaaga ttcctattaa ggaatgtagt 120
 cttgacatcc atctacaaga cctagtcatg gtacacaaca acaacaaaaa gaatccaaag 180
 aaattttaagc atcgcaaatg gtgagaaggt ttcacatag tctataccat gaacttgctt 240
 gaaacctttt gccactagtc gtgccttata ggcattcacc tttaccatcc atgttagttt 300
 tcttcttaaa gaccacttac accttatgag gttttacccc ttaatgtgaa tcaaccaacg 360
 tccaaacttg gttaatgtat atggactcca tctcagatcc cacaacctta agtcacttct 420
 catatccagg cg 432

<210> 34315
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34315

ttttatgcct tggatcttct tcatcaatgg agtcctttgc ttcttgaaga tcaatggcag 60
 cagaatggag aatgaggaaa gatgattgga gacgccactt caaggagaag atgagtcag 120
 aacaacctca ccaccatacg aagccatgga taagagctta taggtaggaa aagatgagtg 180
 gaaggagagg gagagaaggg gcacgaaatt ttgtgcctca aatgaggtct taactttgaa 240
 gtgtaattct caaatgatca aagttgaaaa aatgcacaca cgtgacctta tttatagcat 300
 aagtgtcaca caaaattgga gggaaatttg aatttctatt caaatttcac ttgaatttga 360
 aattgaattc gtggaaccaa attttggagc caaaatttca ctg 403

<210> 34316
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34316

cttatccaag gctcatcttg gtggagaagc tccttcttcc atggcttatt ccctagtgga 60
 tggcgctcc tctcacctct actcctttgt cttccattgc atatccatgg tggaaaatca 120
 ccattaaagg acctcattga agctcaagat ccaacctcca tagaagcccc acaagcaagc 180
 tcccatcaag tggtaatcag agcacaagag catcaagtag gtgctcctta aacctccatt 240
 aattttttta tgctttacct tctcttccat tgttggttct tcatgtctct ccatttatct 300
 cctcacatgt cttgagataa atgttgcaaa catgattctt tagagtttat acttattaaa 360
 ctatctatac aagctagatt agattctcta tggctcaa at ctctagactt gttcttgatc 420
 atgaatag 428

<210> 34317
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 34317
 accactacca tacacatggg tggaaataag acatgttggg cttacgtcct atccacaatt 60
 cataaggatc tcttttaaga ttggccta atataatttta ttttgtaa ataatagacaat 120
 gtttattggt tcagcccata agtggtttaag ggttgagtga tctaactaagca tggctcctagc 180
 catttcctga agaaatatac ttttcattta cctctaaaca tattctaatt tgggtgttctt 240
 ggagtggaaa attgtggtga ataccaatct cttcacaaaa tatttcataa tatcattttc 300
 aaattctccc ccatgattac ttctaattga agagatacat gataatgact attgaattac 360
 tccaaaacag ataaaacta 379

<210> 34318
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 34318
 ttgaaattaa tagtatacac acattgtttc tgtatatata atgtccctgt atatattgtg 60
 taacaaaaaac tgtaagtaca aataaaatta acaagtgtgt atgctgtaat tccatggatg 120
 aaactaagt gcctaaataa agggcaagta tgggatagga atgaatgaaa aagtgaaggt 180
 tattctatgg atgaatgctc tcctagaacc taagcttttg aatcctagaa aaaccatgaa 240

ttgttggcag cctaacccca ttacaagcct agaaagtcct tcggattcat tttgtgtgtt 300
cattgttgta tcatgtgaga tgaaatgcaa acgttgggac ttgtgctagt tgtttatgat 360
ggaataagcc taaacacttg agcttgagtg aaacaatgac g 401

<210> 34319
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34319

cgagtgcntt tgatgcttgg ctcntcgcg ccctatagaa tactgaagct agcctggccg 60
atgcatctag tgtgatggcc ctagttatgt tggaggatcg atgacgttcc cggaatggga 120
ttaggactat gacctcggtg actttactat gcctgtatat agtcttagga gatcgtggga 180
cagtatggat tatgctatga cccactgca tgcattgctt ttgagaatct taatgggaac 240
gatgggcggt ggtcaaactc cacagttgta acaatatcgc gaaggaaacc cgtcataccg 300
catctactga gcgttataag caccggttctg gtagacgatg gactactgac gttttatcga 360
ccatgatgct ccgagtgcgt cggatatgac tcgaccttgg cctcctggat tggagacgtg 420
gtattggcga ttggtggata cccgcgacat tgatccaggg atgctcatgt atacgctgac 480
ggtn 484

<210> 34320
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34320

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tttaccact cctcacgttt gggttttttag ggaaaacact ataactaaac gcgcgcgaag 120
ggatccctat cgcaccagat ccaaacttag aacgatgggt gatcaagagg agacacagga 180
acagatgaaa gccgacatgt cggctctgaa agaacaaatg gcctccatga tggaggccat 240
gttaggtatg aagcagctca tagagaagaa cgcggccacc gccgcgctg tcagttcggc 300
tgccgaagca gaccgcactc ccttggcaac tacgcaccat cctccctcan acatagtagg 360

acggngaagg gacgcactgn gacacgatgg tagccctcac ctgcg

405

<210> 34321
<211> 343
<212> DNA
<213> Glycine max

<400> 34321

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aaaggctaga agaccatcaa acctgcccac cacctttgaa aggagagatg aatcttcacc 120
atcatgatct tctacaccaa catgtcgacc acctttcttc acctaagagc catcatgctc 180
cttttgataa ccaaaagatg ctatgactga agcgcctata acgaaagatc tcttgattgg 240
aacataaggt ccacaatcaa gagggatggt gaagtgttga aggaaaagg taacaagacg 300
agggttaaggc aacggagcat tcaatcgcaa tgccttatgc atg 343

<210> 34322
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34322

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aacaattttt atactagtct actctctatc tctagagaag ctacttcagt tatctaattc 120
aatatgaatc ggattttcac catgcacata gaattcttac aaacaatcac aatcaatctc 180
agttcttccc tagaaaaaag gactaaggta cccaacccta ggggtcccttg tgaatacgag 240
cctaagagac acctaccctt atcccaaaact agaaaatcct attctagcat atatgccttc 300
aaaaattcat gcatatgcta acaacatgta aaacacatga aaaaatgagt cagagagata 360
cacaacctga tcattcacat gcaagaacct tttcttggtt n 401

<210> 34323
<211> 427
<212> DNA
<213> Glycine max

<400> 34323

cttaaagagg tccacgaaag ataaagcggc cgtttgaacc agttccgctc ccgagtatga 60

cagccaccgc tttatgagcg ctgaacacca gcagcgcttc gaggtcatta agggatggtc 120
 atttctccgg gagcgacgcg ttcagctcat ggacgatgag cataccgatt tccaggagga 180
 gatagttcgc cggcgggtggg catcactggt tccccccatg gccaaagtgc acccagacat 240
 agtcctcgaa ttttatgcct atgcttggcc tacggatgat ggcgtgcgag atatgagatc 300
 ctgggtgagg ggtcagtgga tcccgtttga tgcggatgct atcagccagc tccttggata 360
 tccttttagtg ctggaagagg gccaggagtg cgagtatggc cagatgacga accggtccga 420
 tggtttt 427

<210> 34324
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34324

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 ttgggcttac gtcctttcca caattcataa ggattccttt taagattggc ctaatatataa 120
 ttttattttg taaataatag acaatgttta ttgggttcagc ccataagtgt ttaaggggtg 180
 agtgatcact aagcatggtc ctagccattt cctgaagaaa tatacttttc atttacctct 240
 aaacatattc taatttgggtg ttcttggagt ggaaaattgt ggtgaatacc aatctcttca 300
 caaaatattt caaaatatca ttttcaaatt ctcccccatg attacttcta attgaagaga 360
 tacatgataa tgactattga attactccaa aacaaataaa actan 405

<210> 34325
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34325

ccttgagaag ctntctcgag aagattccta gagatgctag agcttagcta cacacacctc 60
 tctaataact aagctcacct cttaagatg agaagctaga gcttagctac acaccctta 120
 taatagctaa gctcaccccc atgccaaaat acatgaaaat acaaaaaaag tccctactgc 180
 aaagactact caaaatgccc tgaaatacaa ggctaaaacc ctatattact agaatgacca 240

aaatacaagc ccaaaaaaaaaa ggaaaaaacct attctaatat ttacaaagaa gagtggactc 300
aaccttggcc catgggttca aaaaatctac ccttaggttc atgagaacc tagggccttc 360
tttagcaact ctagccgaat cctctttag tcttctatcc aatacccttg gggggttgga 420
ttgcatcag 429

<210> 34326
<211> 392
<212> DNA
<213> Glycine max

<400> 34326

cttgcttaag gaaaccaagt tcagtatcgc ttatgccaat gacttggttg tagaaagaac 60
cattttgtgt ggggtgcagac gggcaacaac ttccaattga ggagaaagaa taacttcttc 120
acaaatcttc tcagtccaac atggaaatgc aacctatttt taaaaaaaaat aggttttttta 180
ctagctacaa acaagttagt aagttgtaac cctatcctag aaacaaaaca ataaccatt 240
tcctagttac aaaacactaa tccatctaaa gcaaagaatc ttgcaagtta aaatcatagt 300
tgctcatgag atcttcaact ccattatttc caataacatc tccttcatca ttcaaataca 360
taatgtcaaa atcttcaaaa ggcgggtgatg ct 392

<210> 34327
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34327

tctctcatgt cgcgccagtc agccaattcg cgtaataaac gnagattatc ggcggtgcat 60
ctttccntc tcnccagag cgcanttggt gatgcactcg tattccngga cactatanta 120
tactcaagct tgtgctaaag gaagacataa catgtgttga gatgccttta accttacctc 180
acatgaaact cgatgaagat gggatgatta accagttcga tacagataga tggaagccta 240
atagaagaag cctgggtgtt gctaaggtaa gaaagaaggc tcattatata tcatgcacgg 300
aaaagatatg cacaaggga agacaaattg ttgcttcaag atgcaactca aagaatttgt 360
ggcacataga tattggcgac acttcgagtg aagaaagggt cgaaagtttc tagccaaatg 420

atctactttc caaacactta agaggcaacc cacttgaatc ccttgaagat tgtcttgcag 480
 gtaaataatg cagagtgtct ttccaaagat tgaatgaact agaaggagat agcatatcct 540
 tgatcttgtc cacttagata tctgctcaat gg 572

<210> 34328
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34328

ttctccttct tttccctata aataggggaa ggatggaaga acaaaaatgt tcaaccctcc 60
 tggatatctga ggatcactta aaattagtga gaaaaattgt ttccgtgaag aaaatccaaa 120
 ctgaggcgct tctgtaatgc ttccaagacg attccgtggg cgatttcgca aaggtttttc 180
 gccattcttc atcattcttc gtctgctctt cagtcttcaa ccggttaagtt cccgaaatca 240
 aacttttcaa ttcatcttat gtacccttag tggtcctcat ttgtttcgca tgcttttatt 300
 tttatttcat ttactttccg taccctctt tgacgtgctn tagtaattta tttaagtcat 360
 tttctcgcat cctcaaaact agaatgaatt tccaccg 397

<210> 34329
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34329

cgacgagctc ttttgatgcg atcgctagct atgtcagnga cactatataa tactcacgct 60
 gtaggctgtt caattgcttc agattgttgc ccagaatggc aaaggctctgt gtgggtggcgc 120
 gcagaggagc ataaaccaca aagtctggcg atagggtgcag attttttatt cattgccagt 180
 tggattacca ggtaaccaa ggcacttagt ttaccttcaa gcttcttagt ctcaattgat 240
 gaaatgaatt cgtggctact tcatgcactc ctctaataac aatagcatca tttctggcac 300
 tgaattgctg ggagttggaa gccatcttct caattaaatt tctagcttca gcaggggtta 360
 tgtctccaag ggctccacca ctggcagcat ctatcatact tctctccatg ttgctgagtc 420
 cttcataaaa atattggagg agaagctgct ctgaaatctg gtgggtgaggg caactagcac 480

ataatttn

488

<210> 34330
<211> 386
<212> DNA
<213> Glycine max

<400> 34330

tgcaaacttt gtgaactata tatttcaaga caaatagaat tggagctcaa aagacaatgg 60
cacttgagac ttatgctacg tatgaaagat tgaagtatat catggtatTT tttaaaattg 120
tttacattag tataaatata tttttcctat taaatcaata ttaaaatatt gttactTTTT 180
tttatttgta ggattcaaag ataagtattg aggctcacag taattcatag agattgTTtg 240
actaactgaa ctagacctca taagtgatat atatatatat atatatatat atatatatct 300
atatatatct atatgtatat atatatatat atatatatgt atataatcat atcttTgtctt 360
tagttgacaa cacccttgca tgatag 386

<210> 34331
<211> 443
<212> DNA
<213> Glycine max

<400> 34331

ttaagcttgc aacggtatga aataataaca cacacaggag ttaatatTct catttatgtg 60
ttaaaaaaac tatgagtagt agataaaaat aaaaatgtat gttgttattc aagaaaaaga 120
aaagctaagt gtggaaaggc tagtaacaga gctggagtaa aaagaaaaag gttaattctat 180
ggatgaatgc tctcctataa cttacgtttg cagcctacaa aaaccatgat ttgtttgcag 240
cctagcctca ttacaagcct agtcaaagtc cttcggattc aagtttTgtgt gttcttTgact 300
gtatggtatg agatgaagtg cacagattga gacttatgtt ggttTgtTgac tgatggatag 360
cctatacact actgcttgag tgaaataata gctgtgaggc tttggTtaat aatcctTgtct 420
tgatatctat cattcctact aac 443

<210> 34332
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34332

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agctttttga aaaacaaaaa ggcacatcca aaacatccaa ccaatatcaa actttttacac 60
caccaagcta tcagcaaata tagcacctaa taattagaac ttgataaaaa ataaataaga 120
attctgcaca aaggggtata ctaagcccaa ctacatcaag atatgttcat caaagtgaag 180
aggacataca agaggtccac tactcatata tgatgacatg gaaggcattt ttagcctagc 240
cttaagccaa aacaactcct aaccttaatc atgtcaatca cctcagcaaa atccaactat 300
gctcaatgga aacatattat gattcaatgt taacaatagc ttccagcact ccgagactnt 360
gtttccatgt gccaaatcat agag 384
```

<210> 34333
<211> 424
<212> DNA
<213> Glycine max

```
<400> 34333
caattgatgg ccaaaactta tgtaaagat aattattcctt tgttttgtca cccattcaa 60
aagatgtcca aattctttat tgttctcatt gtcaatccgt cagcttatcc tcaagcgatc 120
catgtatgca gaaggccgtt tatacagtga atttaagatg gcttacgttc taacctgcct 180
catcaacctg tcaaccattc acaatgagag tgctagttta aatattataa aataaaaaat 240
ataaaaaatc tttcgaagag gctaaataat tgttgttact aaaccttata aaaacatcat 300
aaatggttca aaactttcaa atgagtctga aaacataggg acatgtcata atttttcaaa 360
atagatgaaa cgcgaaagtg atcctataac agtgtaacca aacatgagat acacatctcc 420
accg 424
```

<210> 34334
<211> 220
<212> DNA
<213> Glycine max

```
<400> 34334
gagtcgagaa tactctatta tttatttggg caagtttgaa tatgatgtac aagaaaaatg 60
aatgtgaacc tttttccctt ttgaaagact tgtaaaaaaa aatgttttaa aaatactttt 120
aattaatatt tgaatttttt ttatctctta ttagcatata tgtgacgggt agacgggtgtc 180
```

acaagtggta cctcgacacc ggcgcaagca accacatgtg 220

<210> 34335
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 34335

tccaacggta agatataata acacacacag gagttaatat gttcaacatt gtgttaaaaa 60
 aactataagt agtaaataaa aataaaaatg tatgttggtta ttcaagaaaa agaaaagcta 120
 agtgtggaaa ggcaagtaac agagctggag taaaaagaaa aagggttaatc tatggatgaa 180
 tgctctccta taacttaagt ttgcagccta aaaaaacat gatttgtttg cagcctagcc 240
 tcattacaag cctagtaaaa gtccttcgga ttcaagtttg tgtgttcttg actgtatggt 300
 atgagatgaa gtgcaaagat tgagacttat gttggttggt gactgatgga tagcctaaac 360
 actagtgctt gagtgaaata ctagctgtga ggctttggtt aataatcctt ccttgatata 420
 tatcattcct actaac 436

<210> 34336
 <211> 212
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34336

actaattgtg atttgtgatag acaaaagaga gagccttgtg cttcacgcac tgacttactt 60
 ttgtacatgt ttgattattc ttgctgatat ctgatactct actntattgc catgtattcg 120
 catcatctag aaccataatc tacctcttgg ttgactcac catttgtgtc tacctagctc 180
 ttgtattaag atggcaacca tacgaaagtt tc 212

<210> 34337
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34337

ctagcacact tcagagatct tcgaaaagat cccaacggtc agatcattga caagtgtcnt 60

<210> 34340
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 34340

```

ttttctcggc gttggggaga ttcatatata cggtcgaacc tgcaccggtg tcctctgctc   60
gcacccctctt tccagggata ttagggagag aaccgtgtta ctcttattac agctcacctg  120
atgtagaatg ttgcacaacg gtgagctgga acaaccaaac tgggtcccaa agacccgaat  180
aatctgttat ctgtcttatt attaaagaaa acatgcacac gcgcctaaag cgcttacttg  240
tatagggtgcc ttgattcccc tgaatttggc tccatctaata ggagtgataa tatgcgccta  300
aaattatgct gttattcgaa cttagattta acattatttc tttctttaag gcgttagcta  360
taagtatatc gctaagatta ttcccttttg tttggcccg                               399
  
```

<210> 34341
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34341

```

agagtgggtt tgtgcttcgc tcntcgnac actagagaca ctaaaactta tcgcccttac   60
gcactttacc ttatttagaa gaatctttgt gtgtattgtg aatacagtta ctgcgataag  120
gtgacattgg cttaggcatt gactgaaaga agatcttggg gaaacgaaat gagagtgcct  180
acaatttagc tcatgcaact ctatttcatg ctgatgcacg agacatagta tattatactt  240
tgatagcttc ttctcctata actggacatg agatatgact atcgcatcga cgtcatatca  300
gactcgaca aaatggttca cacagacatg atcactatct tgatgagaaa aaggataccg  360
agctctgccg acagtgacta taacatgtac actactcatg cttcttagca ctcatgatta  420
tatatactca tgccctttgc acaagcgcaa gccttaggat tggagcgatc cttgatgcat  480
agat                               484
  
```

<210> 34342
 <211> 374
 <212> DNA

<213> Glycine max

<400> 34342

gtgaagaatt cagcttgaca tccatTTata gtggTcacag ctgatgataa agcagaggta 60
tgtacaacct tgacatgctt tgtgttcata aaggagttct gcctcaattg gttagatggc 120
atggttgctt gtaatTTTct gtctgcatat gaaggaagtt tgagttatat gctttattgt 180
cccaataaaa tggctgtcat tgctagtaat taagatgctt catggtagta tagattggta 240
ctatattgtc tcccacatac aaatattTaa tctgagaagt acgttgTggT tagatgctag 300
tgtatacaaa agtcagttcc gagctctggt atTTTctTTg ttcttgcgac tgttacctat 360
ctgtgtaata ctag 374

<210> 34343

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34343

agcttattgt cgTTTgaatt tgctcanagc ttctgttctg aatttcgagc atctncatat 60
actacgggaa acaatcggac atccgagtaa aaaggTTTTg ctgcttgaat tttctaagag 120
gttatgattt caattctgag cgtctcgata tattacgaga ctcaatcacg catccgagta 180
aaaagttatt gtcgTtagat tTTTctTaca gcttctattt ccgattatga gcgtctcgat 240
atattacgag attcattcgg acatccgagt aaaaagctat tgcgctoga ttctgctcaa 300
agcttctgtt atgaatttcg agtgtctcca tatactacng gacacaatcg gaca 354

<210> 34344

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34344

ntgagcaata tcaaacgaca ataactgtct actctgatgt ccgattgtgt cccgtagtat 60
atcgagacgc tcaaaattta gaacacaagc tctgcgcaaa atcaaacgac aataactTTT 120
tactcagatg tccgattgtg tcccacagta tatcgaggcg ctcgaaattt ataacaaaag 180

ctctgagcaa aatcaaacga caataacatc ttactcgaat gtctgattgc gtcccatagt 240
 atctcgagat gctcgaaatt taaaacagaa gctctgagca aaatcaaacg acaataactt 300
 ttactctga tgtccgaatg agtcctgtaa tatatcgaga cggttgaaat tcaaacaga 360
 agctctgagc taaatcaaac gacaataact ttctactcga atgttcgatt gtgtcccgtg 420
 aataacgaag 430

<210> 34345
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34345

agcttgatat gaggaagtgt tgaaggggtga aactgtctgc ttttattgct gaccacacag 60
 cggtagctgg agatatgtcg cgggggtcag gagacctcgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatccnga cccaacccgg gcatagtcgg tcaactgagaa 180
 cctgtgatgt acctaagcac gcgagctcct ggtagtcaac agatacaacg aacaaagacc 240
 acacagcaag gaggcttgtg gtggctggcc acctgcgaaa cttgattgat atgtgagata 300
 tggctctctg caatc 315

<210> 34346
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34346

tgagatgagg aagtgttgaa gggtgaaact tcctgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgcggg ggtcaggaca ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
 tgatgtacct aagcaggcga tctcctggca gtcaacacat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggatggcgg 300
 cctctggtaa tcgattacaa ggcttaaaat tgaggacagg aggctaagat ggtctctggt 360
 aatcgattac caaggggtgt aatcgattac caggcttgaa aacgaagcca cgaaacttac 420
 ggagcctc 428

<210> 34347
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 34347

cagcttttct gattaagttc aacaagccat cactgcttta ttctccttcg attaactata 60
 tgcaaccgca caacattatc ttctgatcgc atggatctga tggttatatg gcgcctaaaca 120
 agtccctttc gcattcagat cctgagagtt tttctaattc ttgtggcggg gcgtttaaca 180
 accgcggtgg tggctggtag cactgcaccc gcggaagaag ccgggggtcgt ggttggcctg 240
 ctaactctca cgtgcaagtc tgctgaagt atggtcacac tacctcactc ctgtattatc 300
 gacacgagca acattatcaa ccacacccaa ctctcgtcgc tcaggatcta ctactatgcg 360

<210> 34348
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34348

tcgcaagttt gaaggggtatt attattatgg cacagtttta tcacgcatgg tcgcctgaag 60
 ctgctcttga atggggaggg tgtgtcttct gttttggagc acatagatcc ttttctctac 120
 aagtgcagat cagttcacac ccacaagaga agaacaaggt acgcagggtc ttctgccaga 180
 atttactatg catcaacatc atctctgagt agcaaaagcc accgttgtaa tgcggaggca 240
 cgtcacactt ctggcaatgg gagtgttcat gatgaatatg atgacattga tgatgatgag 300
 gatgacgatg atgacgagga ggacgacgag gatgtgtttg acccacatgg cttgtcttgt 360
 atccggagtt tgggtgttga cattgcttac aggccacttt catctcttac acaatcgcat 420
 cttttttaac ta 432

<210> 34349
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34349

agctttgttc tatccctang cataaaaccc attaggtgtt cctctccatt tctaagttca 60
 aaagcatttc ccaatgacaa ttcaaacctt caagcaaagg gtgatcaagc caaaacaagc 120
 attaatgcat agaagagaac acttgataat gaacaataaa catagattaa taatcaaaat 180
 gtaaacatta cgatgggctc acttacatca accccaaaat gggtaaattct aactacataa 240
 ctaccagaag aaaagaagaa aatagatgaa agagatgatg aaaaatggca agagagagct 300
 tccncgctgc aacctacaac cctagatagt tctcctaacc aaatctttct tcaattcgca 360
 tccttggaac ttanatatgg ccaaacacac t 391

<210> 34350
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34350

tgtcntgata attttgctca atttctttgc tttcttggtc ataagctttt cctcttttct 60
 tctcgagcaa tagcctctgc ttttctttat ctcgatagtt atcgcaccta atatgcagtt 120
 aatcatctat gtgtgggtgat tctctgggtc aagcttgatt cgtgatatgg tatcagagtt 180
 cttccattga agagctctgc tgcacaatca agagaagttt tcaaagcaat ttatcctttc 240
 ttcacctctg ttttgagttt tgtaacatct caattttcgt aaactagatt aaaaggaatt 300
 gttatttata aataaataga attctaaaaa taatgatgag atttttataaa taaataaata 360
 acgagatata attattaatt aaaataataa ttcgagagaa aataaaaagg atattttatt 420
 catctgttt 429

<210> 34351
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 34351

aagcttgctt gattcgctag agcttagcta cacacgcgcc tctaatagct gaacggacct 60
 ccctgagaag ctagagcata tctgcgcaca cgcctctaag gactaagctc gcctccttga 120
 gatgagaagc tggagggttaa ctagacacat cccctataat agctaagctc accccatgcc 180
 ttaacacaag aaagtactat aatgtcccta ctacaaagac tgctcaaaat gcctgaaat 240

acaaggctaa taccatatac tactattatg agcctgatac aacgcccga c gatggaaaa 300
acctattgta atatttacia agaagagagg acccagcctt ggcacatggg ctaaataata 360
tacccttacg ttcataata acctagagcc ttctgttgca gctct 405

<210> 34352
<211> 306
<212> DNA
<213> Glycine max

<400> 34352

agcttcacct tctggctctc ctcatagttg ttgcatgaga aaacatgctc tattttcatc 60
tcccactcca agtaggcctc cggatcattc ttctctttaa atggaggaat gttgagtcta 120
ataccatcaa ttcggctttg tctacgaaca ccatcattcc ctcttctctc cttttcttct 180
tcattatgat ctctattctc catttgatac aacctctcat ggagcgcac atctcgttgt 240
ttcattaacc tctccaaatg ttgcatcaaa gcttgcatct ggaattgcga aagccccact 300
ccatca 306

<210> 34353
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34353

gtgcacatcc acaatgcgcy cataaaccce ccatccctg ttgcccacct ccaactgagc 60
tcacgtactc ccacgtagcc catctcctcg ttctctctca caccgggtcc ccatcaatcc 120
tctcaagctt acacaacatc caagcaaaac aacgttcaaa cagcacaagc tatcacagcc 180
aagcaaaaca gagcaaaggc agaaaactct gctcaacaca tgaaccaaaa tcacagcttt 240
tctcacgtaa agaccacagt aacaattcct tcgatccaat tcgttaaccg ttggatcgac 300
tccaaaattt tactggaagt ctatagtgt taagcctgca ttttgaccgt tgggatatac 360
tagcaaacat acagaactca ttctgcacta gactntccac agccaaccac acacaagca 419

<210> 34354
<211> 329
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34354

agcttcataa tgacaatatc ttggaccggt gtcgccattc tagagctcaa ttccactttc 60
ccctccgctc aaaccacatt gtcgggtcct ttgtgatttc caaccctatg atccctatca 120
aatgcctctc atcgaaggac atggtcattc gacacaacaa aggcttctac tgttggaana 180
gagaacgtta tacgaattaa ttgagagaaa tagacgagag aatatctgaa agacgactag 240
cttttatgac ttgagaaatt tcttggtttg gctttctttc tttggctttc nttggttcac 300
ttacaaatga caatctttcc cccttttat 329

<210> 34355

<211> 437

<212> DNA

<213> Glycine max

<400> 34355

tgcttgagaa acttccttga gaaacttggt tgagaagctt tcttgataag ctagagctta 60
gctacacacc cctctaatag ctaagctcac ctccctgaga agctagagct tagctacaca 120
caccctcta atagctaagc tcgcctcctt gagatgagaa gctagagggt aactatacac 180
atccctata atagctaagc tcaccccatg ccaaaatata agaaaatata aaaatgtccc 240
tactacaaag actgctcaaa atgccctgaa atacaaggct aaaaccatat actaatataa 300
tagccaaaat acaaggccca aaagaaggaa aaacctattg taatatattac aaagaagagt 360
ggaccaacc ttggcccatg ggctaaaaaa tctaccctta ggttcatgag aaacctagag 420
ccttcttttag cagctct 437

<210> 34356

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34356

agcttctata ttatactaca cgttttactg actggaagcc agagttagtc attaacttat 60
gtaagggtgaa gaaagcatcg catttggtgt cccttgactc agaaagcgag atttgatccc 120

gtaagctttc acgaagatcc gcaagacccat tattaattaa aaaagaaaac atattgagat 180
tcttgatatg caaaattgat gggggcagtt cattcaaacc tgattgtact aaaaacaacg 240
ctcgaagaga ttgtggccaa gtgttgctgc taaggctctt aagcgatgag caccgcgtca 300
catttaacat ctcaagcttc gggagagagc anatngattc atcaacataa cgcaagcttt 360
cacaaccacg catacttaca ta 382

<210> 34357
<211> 433
<212> DNA
<213> Glycine max

<400> 34357

taaatatttt ggggtgttct gccttttaggg tgttttctac atgagtacaa cgataccttc 60
tttcttttac tatatatctt cccttttata taccttttat atacattttt ccctttatgc 120
tttctgacct ttactatgt gtggacacct taatgtgctt ctctttatcc tagataacag 180
agagaaaaaa tggagcactg gcagacctgg tgagtgggta catttaattt tgccaaaaaa 240
acaagtgatg ttaccattag cttttcttcc ttatttttat ctctgatttt atcattttatc 300
atgtaggatg atgttggttg ttttaagtac tatgccaaagc ttgtacgaag attgctaatt 360
gcagtttgtt tcttagaaaa cctgtggaat attgatttgg ttctttattc tatatcacgt 420
tgtgattctg att 433

<210> 34358
<211> 312
<212> DNA
<213> Glycine max

<400> 34358

tgaagagtca tctccaatg aaaagaatgt tggcggcata aacttctcaa ctatccatgt 60
gcctgatata ttttctatga ctaggcctga tccattaatg agtcttgtgc atgaacagga 120
agcagtccca ccaatgaaat cacaactaga tgcttatctt gaggagaaca atacttatat 180
ctctaataat gaaaactcca ctttttagtgc cttggagtgg tggacgaata atagtctcaa 240
atatcaagat tctatccaga tggcaagaga tatactagct gctctaattg caccagctgt 300
atcacaaatc ac 312

<210> 34359
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34359

tcaacctgtt aacttgcttt ccatcaagat gattcgctta agttaattat ttctgtttgt 60
 tcgacaaaaa ctatgttgct aggttttgat aaaccctaag ttaatattaa ttaataattt 120
 tgcgcttcaa aaaattagaa aagaaattcg gcgatccaaa atttctagat acgcatgcta 180
 atctgactaa agataagagt gtgttggtgca ttactatcag ttgaagacac caacactatg 240
 gagtaatgcg actttttgac ttgtgaaatt gctccgtaaa ttttattcat tctctccctt 300
 ttttgcggtc atcacaatgg ataagagaca cacattaaaa ctcctaaatt agagattcct 360
 ataaaaattct caaccaagag aaaaattatc ctaaaaaaga aaataagtta tacttacaat 420
 gtaataacaat tagct 435

<210> 34360
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34360

cgcacatctg cggtatttca caccgcatat ggtgcactct cagtacaatc tgctctgata 60
 gccgcatatt aagccaagcc cgacaccgcg caacaccgcg tgacgcgaac cccttgcggn 120
 cggatnaata taacttcgta taagtgtgct cttcgaaatt attacgact 169

<210> 34361
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34361

agcttgtctc cttacttggt gcttttgcct tggcgtctgc actagctgag cccttcgcca 60
 attogctaca gccttggtgt aacgctgcca cgagaccact ttacatagct gcaaaacaag 120
 aataaaatca tattgcatac tctctccaaa acagtaaaat gagtatgaac aaataatata 180
 ttattctgtt atctaatac aattgactgt gaatgatagc actcttagcc actataataa 240

ctactgtaaa aatcatacca aacatgattt cttatttgtc gacaatataa atcctctcac 300
taattaaact cactagcacc 320

<210> 34362
<211> 373
<212> DNA
<213> Glycine max

<400> 34362

atgtatgggg acaacatgaa ggatttaaaa taagtggccg aatgcgattc taggcctagg 60
aaccaagct tttaatttca atacaaggaa gcatgactta tgcctaggaa tctaagtttg 120
gttttgaatg taaaaaggca tgaatattat gacatgtttg agagggtttt attagaattt 180
aaatttggtt gccccatgag gaataccttg cacctaggta ccatggaaaa tacctttcaa 240
cggatgtat atatgcgaat atatggcata aaaatacctt gcaaagtgtg aatataatgc 300
ataaaaaatac cttgcacagt gtgaatgtat agcagataat gcatttcaaa atctgtatat 360
gtaggatatg tag 373

<210> 34363
<211> 357
<212> DNA
<213> Glycine max

<400> 34363

tgataaacga gagcttagcg ccacgctcct ataatagcta cgctcaccga cttcagagac 60
gatgagctta gctactcaca gactgacttt agattgactc gccactctt catggtacgc 120
taggagattt gtattcacga atcctatggt agctatgctg acccaatgcc caagtatcag 180
aatcaacatt catgtcccta ctactaagac tgctcagaat gccctgacat acaaggcttt 240
aaccatatac tactataata gcgcaaatac tggggccttc tcaaggacct tcctactgtg 300
atatttacat agatgagtgg accctacctt ggcccatggg ctgattacca taccctt 357

<210> 34364
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 34364

atcttgttct gtcacgctaa gcgcaattat ctctgtgttt ttctatttgt tggaatcggg 60
cttaccgagc ctgctcgcta agctagtgtt gtccagtaga gtagtcgcac ttggcgcccc 120
ttgccgcact aagcgcacat ccttatctgt ctgacaaatt atggaattgg gcttaacgag 180
cctgctcact aanccaattc tacagaaaaa aaattgg 217

<210> 34365

<211> 288

<212> DNA

<213> Glycine max

<400> 34365

tctgttcctc acactcctaa ataatgcata gatacatgca cattcaacat accttgtatt 60
atattggaat acctaagact gacaatgcc a tgctaaattt aggagcttct tgtactgtta 120
tactgataag ccatcattat cttctatata ctaaaccctt tctgcaccat cttaattatt 180
gaatggcatt aattgtcaat caattatgca gttctataat atgggctcat ttatctaata 240
tgatgtgttc aatctaactt caggaattaa tgaaacattg cgcttaat 288

<210> 34366

<211> 222

<212> DNA

<213> Glycine max

<400> 34366

tttttctggt gggacatctt gacttgctgt ggagtgtgac attcaccaca tattctgcct 60
tcttctatct ttatatcgcg aatgcctcta acagcccctt tctcaatgat tctcttcatt 120
cctcttaagt gcacatgtcc cgatctttga cgccatattt tgacttcac cttctgtgac 180
aatacacatg cggaagactg actggcccct tcatgcgtcc at 222

<210> 34367

<211> 422

<212> DNA

<213> Glycine max

<400> 34367

tagggttaaa gtcacgatt gtacgtgttt atgcttcaat tgtagccgt ggctatacga 60

gacatcatgc caaaciaaagt caagttaacg ataactcgcc tgtgcttttt cttccatgct 120
 atatgtagca aagccattga tcctgtcaag tttgatgagt tggaaaatga ggctgcaatt 180
 atattgtgcc agttggatat gtatcttccc cctgctttct ttgacattca tgactcactt 240
 gattgtgcat ctagtacagag aaatcacatg ttgtggctct atatatctac ggtggatgta 300
 cccagttgag cgatacatga agatcttcaa agggatataca aagaatctat atcgtccaga 360
 agcatctatt gttgagaggt acattgcaga ataagccatc gaattatggt agaatactta 420
 at 422

<210> 34368
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 34368
 agcttctaac gggcatcact tcactcttgg tgcgatcgac tactttacca aatagggtcga 60
 agccgcctca tactctatcg tcacgaggaa tgtggttgct acgttcatca aaaggagat 120
 aatctattgg tatggatcgc ccaggaagat tatcaciaac aatggcacca atctgaataa 180
 caaatgatg aaagaaatgt gcgacgagtt caagatccag cacggcaatt ccacgcctta 240
 ctacgctaag atgaatgggg cagcacaggc ggccaacaag aatatcaaga agattatcta 300
 caacatgact ctgtcatata acgattggca tgaaattctt cctttcatgc tgcattggcta 360
 tcgaacctcg gtacacacat caatc 385

<210> 34369
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34369
 tcctcgtggc ttctttgaga agctttcaca agaggcttct ttgagaagct acatccttat 60
 ctatccaccc ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac 120
 gcaacaaata atcaaacatc aaacataatt actaataata tatagatata tatatatcag 180
 ggtgttacia ctctcccacc cttttagaaa tttcatcctc gaaatttacc ttactcaaac 240
 aaggatgggt gagcttctcg catctgaatt tctaattccc acatggcatc ttctcctgat 300

gcacctcccc atatcacctt gaccaacgaa atctctttcc ctcttaggtg ttttgttcgc 360
 caatcctcga tcctcaaagg caatatttca tatgtcaaat tctccttcac ttgtacatca 420
 tccaattcaa tca 433

<210> 34370
 <211> 319
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34370

ttcttattnt cattccggga atttgatcac gaaaaacaag cctgaagtga caggacaaaag 60
 acgtgagtat ctagcaccag cttctatgag aacttctnca acaaacagtg gtcttcttct 120
 tgcaactact gctcttcttc ctgcgaatga cagcaccatg gaagagttgc aacgcggggca 180
 ttccagctgc aattgctcac tgcaaaaatt ctattctcaa acaagagaag ctcagctgct 240
 gatacaaacc tggcacactt ttttttttct ttgttaccac ctgcgcctct tattgccata 300
 cctcctcat tttatctcc 319

<210> 34371
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34371

taactaanat taaatatatt aaaagatttg gcatatacta tcacttaaac gttgaaatta 60
 cctccattag tatagttttc gttcaacaga aattaaacta gtaatatagt cattatagat 120
 ctacaatgag ttctttggat ttttgtttta gaatattagg atttaaaacc aactaattaa 180
 ataacaatca taggtttcat ttacaattta tatatgtaaa caaatataatt attagatcaa 240
 aattaattgt cataaaattt attatataaa ttcagatgta ctttgaatat acataagaca 300
 ttgtagtctt atatatagcg acattaatta ttttataaca taattagcat attagtccgg 360
 ttgattagag cgaatgcaaa agtcacaggt tcgattcctg cattacccat taattctaga 420
 ttcacttatg a 431

<210> 34372

<211> 313
 <212> DNA
 <213> Glycine max

<400> 34372

agcttgtcaa ataatgtctg acactattta tcaaacagga ttgccactca aacgctccca 60
 cagccttaca ttttatattt ttgcgcggtg tcaaagtga catctaatta gtttatcttt 120
 tgttatttat tgtatcgctg ctgagaacaa tttgaattac aatacaataa ttctatttcc 180
 tccacatatc tattgtctct cttctctcct ctgtttttta taatttcttc ctcacaacca 240
 acaatcggtg tcaagagctc tattcttacg ggacctgcac catggaacgc gatgcgagag 300
 aattatgatc ttt 313

<210> 34373
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 34373

tgcattggctc actaagcctt agtctatgac agagagctat ttgtgcttag cgagactcac 60
 tcgcttagcg cgacacacta aacaggctta gcgccatcag gcgcttagcc caaattgact 120
 actggaactt aattggctta gcgagcaagc tcgctaagcc caattccaaa atagagaaga 180
 aatagcactt agcgagactt actcgcttaa cgcatgaaca aaaactcaga aaactaaatt 240
 gctttcggct tagcgagact gacttgctta gccaggctt attcactaaa agagggtggg 300
 tggc 304

<210> 34374
 <211> 139
 <212> DNA
 <213> Glycine max

<400> 34374

tgtattctag ctttgtccgc gtgctcaaag ctttgggtcca acggattaaa gcgttgccctt 60
 atcttaatga cttatttttg actgatgaat gactcttggc cggccatgga aatcctatac 120
 atcaagccca cagttggca 139

<210> 34375

<211> 416
 <212> DNA
 <213> Glycine max

<400> 34375

tgtgcctcta gtagtaaggt gattgcttct ttatttggtg ttaaaaaat aatgaagagg 60
 agcaacacaa taatgagccc atgatacata atgaacctat tatggaagaa ccacaagaag 120
 taacattaag gaggtctcaa agagaaagga gaccagctat ttcgaatgac tatgtggtat 180
 acctatataa aacaaaaaca aacttaagca ttaatgataa taatctagtt tcattttcac 240
 aagctataag atgtgataat tgtgagaagt ggttaaagt catgaaagaa aagataaatt 300
 ccataaaata taatggtggt taggaccttg tagaattgcc aaaggggtgt agagatttgg 360
 ttgtcagtgg gtcttcaaga ctaaattgtga ctctcatggc aaccttgagt gttaca 416

<210> 34376
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34376

tagaagaagt cagtgactat atttcgggtg tgaagatgca agtacaagcc atgaaggctc 60
 tcgtcgatgt ccttgccact agtgcttcgt cgccagctcc gatcgggttg agcaaatgta 120
 atcacaaaaa tattgtgtac ttcactactt tatatggtca tatttatctt aattgaactt 180
 taatttcttt ctatcctata cacattggat atgttcaatc ataatttaca ttatgccttc 240
 ttcacattca gcataataga tgcaataaac aggagtgata tttgatgaaa taaactcatt 300
 gccctaata ttaacgaaat gtgtacattt gatgccaaga tgtatacatc tacggatatt 360
 atatataaag tggccctaca taatagaaat gatatag 397

<210> 34377
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 34377

tacaagaaaa ccaacaatg ccttgatcat cttaaagcag caaagaattc aagaattatg 60
 agaatcaatc aaaatcaatt gtgataatcc caatggtggc actcaaagca tccaagaatc 120

gcacaactca catggttaaa gcaacattca agagttctca agagttatgc tacatccact 180
aaccacaatc aatgcatcat ccaaccattc tactcactca ttagtgcac caccacatag 240
attgcaagag aaactttcca tattattccc aacatgcata agtggttctca caagctctaa 300
acctcaaacc acatgtcata acattacaaa ataaaagatg aacagtaa ataccacaat 360
tgctaagaaa aataaaacat aaaactacca catgatgata ttaatatgag atgatgttgt 420
tattgatgac tatg 434

<210> 34378
<211> 194
<212> DNA
<213> Glycine max

<400> 34378
gcttaatcac tgctaaagca aaatctaacc cgattgtcac actataacct cagctaaata 60
aaaaaaaggc caaataataa taaaataatc aaaatatctc tgacaaaaaa taaatcaaa 120
aatcacaaaa atcaatcgga cattcttctt tgaaacgttc cttgaatgaa ttgactaata 180
accaaagtga aact 194

<210> 34379
<211> 438
<212> DNA
<213> Glycine max

<400> 34379
gtgagccata aaaaaggaga aggacaattt ccaatcattt atgaagcaaa aaaaaggaga 60
gaaggaaaat ttccaatcaa aggaaaaaag agaggacagg aaattcccaa tcaaagagtg 120
ggagaaagca aaaagaaaag aaaggaaatt cccaatcaaa gaatgggaga aagaaaaaag 180
agaaggagaa gaaggaaaga aagctcctga tcaaggatcg aaagaaaaca gaagaaatgt 240
gcagagaggt ctctggacca gacaatatct gaacaaatac ggaattgtca ccaaatgaac 300
aaaagaaaga taaggaaacc ataacctaaa agtggctctc tccctttgat taccaaccaa 360
aatcctgtgc gtcggtgact tgttcgcctc gcgtcaaaca aaaacagata aagaaaaagc 420
caacataaaa tcaaaagc 438

<210> 34380

<211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34380

cttatgagag caaaattgcc tcaatcattt ccaaatatgc atgtgaatta ggaagcatca 60
 acaagaatca agccaaggct attgtgcaag aaatcaatgg ggcaaacac accaaatgat 120
 tatgatgatg gatggctcac attctcaca aggtaaactc atcactttca aattgagctt 180
 tcaaaactat catgacatga agaggagaat caaggatttc aagtcacaaa atgtcaagaa 240
 cttttatttt caaaacaatt acccatttct tgaacatata ctataattca aagaaaaaca 300
 tgcaaagtcg tacatgcaca cagaattgac cctcaatatt aaactagaaa tccgacgaaa 360
 ctaacaacag taacaaatta acacaactaa catattatca aaacnn 406

<210> 34381
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34381

tggatttcct tttagtaggg aatctatcct tctaagatg gagcctaacc caatcacccct 60
 cattaagaat tagctctttt cttcctctat tgcctttagt tgagtacacc gttgttcggg 120
 tctctattta gttcttaacc ctctcatgca acttctttac aaactcttac ctagattccc 180
 cttctttatg tataaaaaaa gtgtccagtg gaagggggaat gaggtctaac ggcgttaggg 240
 gatggaaacc atagacaacc tcaaaagggg attgcttggg ggttctatga acccccctgt 300
 tgtatgaaaa ttctacatga ggaagatcct catcccaaga cttatgggtg cctttcagaa 360
 gagcccttan aagggtggat aaagacctat tcaactacctt tgtttgccca tcagtttgtg 420
 gatgacaagt ggta 434

<210> 34382
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 34382

gctttgactt gagtcatcaa gagattatca atatgtgacc atggcatgag tttccagaac 60
atcaatcatc tttgaatcat ctatctttca atcttccttc aacattcttc aatcaatctt 120
ttcaactctt tctacagaat cttcggattc atcttctctt catcctctct taaggtcttg 180
ttcaatactt tctctttcac gaaaagtttt ttgataaaca acttgcgcta ttcattctttc 240
tcattctctt ctctccatg tcggccttca tctgcctttg cccccccga attcttctgc 300
gtctctctc 309

<210> 34383
<211> 426
<212> DNA
<213> Glycine max

<400> 34383

tcacagatga ccagtcatt tatcatccca ccactcactc ttacgtatga gttggagggt 60
agacccatgc atatgtttag ctcttggtt ctattcccta tgtcaataat cgcgaaaaag 120
aagtttacta caggaaaaac tacattaaaa gctctctatt ccgtctagtc tgatattacg 180
taaccagtcc atttcgtatg tctttcgaag cgaggggcgc ggtttccttg tttcctttcg 240
gaggacatgg tacatgccct gcaagaaaat agtctttata ataataatta taataataag 300
aagtctgtt ctctctcggc agctaccatc ggatcatcgg agttgggcag ttacatcttt 360
cattcaataa ccagtgggtg aaggttgatt cccaacaaga gcaacatgtt caataagatg 420
ggagct 426

<210> 34384
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34384

tcttctgttg cattatgcta tgaatgtctt tacatgttat aacctcgctg acatcttttg 60
ccttgactgg aattgccatg acaggtttat tgatactggc tttgatgtat aggacttgat 120
attgtgttgc ggcattgctat tctattgaa ctaactcacc atccttcact tgccaacttg 180
tgatgacatt agttgttggg tcacctatga tgtcttgcac acaagggtaa gcatatatgc 240
ttgctgatgg cataagcatg aatcctattc aagaaaaaga ccttcatctt gactctttca 300

tacaagacag ggaacttgac tcggatatgc tttctgtttg taacgtatgt ctgacacaaa 360
 agaaatgctc gttgcn 376

<210> 34385
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34385
 ctgttgcatt ctactaatat atggagttgg tttctgcttt ttctgagaat aacaattggt 60
 tgaccacaac aacgctagag gcggtaaagg acaacggtct ttcaaataaa cctgttatgc 120
 gtgaacaaac attattaact caaatgaacc agggaagtga ttgcctaatt cttagactaa 180
 ctaccttcaa tgtacttgaa caaatgatt tccaaacaca tgaccgaaac atatcatgcg 240
 gtgcacagaa gaatcgggtg gtggttgaat ttttaagagga aaaaatgtca tgctttgttg 300
 tagggacaac gatacaagga ttacgttata ccatgatgca atgacatatc tcatctccat 360
 tatatccatc cacttgttca cactaacctg aatcaagcaa acatacacat ctaagttatt 420
 taaacttt 428

<210> 34386
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34386

tttttttatt aattccaatc ttattcctca ctgaatgcga aatgaatcac taaatggggg 60
 tataaagctt tttgtggaca agcactctaa ccttaggggt cgcgatcttt tgatgcatgt 120
 gtatttcaag ttgaatggat tatagtcttg tcaaaatttg gatgtgctaa ttacatgtgg 180
 tgcttgagtc taaacacaaa cctatacgca tttggtaagg ctaagtgttt ttctttgaga 240
 gatttctatc accatgatac attcttaatt ttgacttgac tacttgtcca ctttgcattt 300
 tgtgatcatg tgttcatgga ttgcttgta ccttgaaacc attcttccat tttccatctc 360
 tctaatttnt gtgcattggg aggatccatt gaacaatg 398

<210> 34387

<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34387

tatggattcc aatattaccc caaaagagag catgtttctt anaagttact ttaagggatg 60
tcccactaga agctttcaag gctatgctta actttttata tgatgggcaa ttgaatgaca 120
aagtaataga ttctgggtgct ttgttgctcc aactccttct aagtttctca gctgtgatat 180
gacctgctag aatagacatt cctccaaata gcacagcgat aacctatgag atttaatggt 240
tcaataaaaa cacaagtcaa tattaaagtt ttaattaaac ttcaaaaaat ttatcgatta 300
caaatcctag cagactttct tccaagagta aaattatagg cttaaaggag aaaaaaatg 360
gaaataaata aattaataaa aaaattgata attacgtgat ttaagagacc cgtagctaac 420
ctgagttgaa tg 432

<210> 34388
<211> 383
<212> DNA
<213> Glycine max
<400> 34388

ccttcgacct aacacgggca tgtttctgtc taagcccga ttcaaggcgg gttgcagcac 60
cggtccgct tcctaactg tactagaggc ggatgccgtg gctttatcct ctatggctat 120
ctggagtttt agcatgacct ccgaaatgga agccatttga tctttcaagg ccgatagatc 180
ggctttcctc tgttcctgca cgccctcttc attatacatt tttttggatc gagtgttata 240
ggggcgccct ggcgttatcg tatttatgat gaaactccta aagatatgaa cgacgggtgag 300
catgcctccg aaacatgagt atgagaatgg atgatcggcg ctcttgata caccccaacg 360
tttgtacata acgagaagag tct 383

<210> 34389
<211> 350
<212> DNA
<213> Glycine max
<400> 34389

ctgtatctca aaaacgttca actaagatgt ataaatgtta ttacggact ctctgcatga 60

gattatcaaa

430

<210> 34392

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34392

agcttgctgc gtgcacaaga gaaacaagaa gaagaagatc acagaagaac gaagaaggtc 60

gcggatcaag aagaacgagc acggaagaag atgaaaagct tgggtgcaaa actttaaaaa 120

aaaatatgca ggggtatfff ttactttttac ccttaagtgc tgggtgcacc agcaataatg 180

cttgggtgcac ctaagcagcc cccctttatta aacctctaaa gttagtttagc cacgtgcaac 240

acgcgagatt cagcatttct atctttgacg tacgtacacg tagtcgccta gtatcctaca 300

ttgtttgtgcc gcgcaacata atttacaaaa taataatana atcttacaac gtaattcttt 360

tctgatgctc ttacacatat atattgcata c 391

<210> 34393

<211> 432

<212> DNA

<213> Glycine max

<400> 34393

tctagccaaa tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60

ccttttccttg ttttgaagct cactacaagc ctttaagtga aaaccatgat atcaccatat 120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180

cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240

acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct caaaggctat 300

aaaaaaaaa agaataaaaa aaaattattc gaaaaataaa aaatcgaaaa aagaaaaaga 360

acagcaataa agttgagtga ataagatctt aaatggcaca agaattgatga aactcttggt 420

tctactcttc at 432

<210> 34394

<211> 389

<212> DNA

<213> Glycine max

<400> 34394

agcttttcttt tgtaatagcc ccaacaataa gatttggaag ttgatactct accctgtgta 60
caccacacgt actgatacta agcaataata ttttgttgaa ataggtagct caaaatttaa 120
tagctaatta gtggattcat ttaaaaatag tgtcagaaag attaaggata ttccaaaaat 180
attgcccagg aagaacaact tctgatatct ataagtatta agtagtctca aaacacaaat 240
ggcaggaaaa aaatgaggaa agactagagg ctctctttga caaaagttgc aaagtatttg 300
gtggcatacc ttgagaatag ccgcaatata tcacaatgta atttagaagc tgagtaagca 360
tacactctaa cacttgtttc cacaaccac 389

<210> 34395

<211> 396

<212> DNA

<213> Glycine max

<400> 34395

tgcccttctg atccgaagag gctgaccctt gcggagcccg togagagcga aattgacctc 60
gtcaacgtgc tccatcatct ctccgaactc ctgcgcctcc atcagcgctc acgtcgccgg 120
aatccccctcc gccggcgccc gcttgcgcct ctctgactcc cttgctccgc ctgcgcccgt 180
gccgtttccg aagtcgccga tctccgaatc gaagaaggac caatgctgcg aggacgagtc 240
ctgtgaggag aacgcgaagc cgcagagagg gtcgtcaatc tcctgagata aggaatccct 300
gaatggctcc gaaacgtcgt cgttttagaga ggacgagccc gaatacgttc ccgagagggt 360
tcctttgcgg cggccgtatg tgcggacgat catctt 396

<210> 34396

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34396

tagcttctag tttgtggtca tgtaacacta aggctttgga tttattttcc ctatttaaaa 60
ccaactcagt gtttccaaaa gatgcttttt tatcaaatta tgcacacatc tgagcccatt 120
aaggcattcg gaaaaatttt cacagcattc acccttcagg tgtacacata tttttttctt 180

ttttttcaaa aaccttttgt gttttgatcg gcggaacctt ttttcaaaga aaaactggca 240
gtcacttctt tccaaaagcg tcttggtttt gtagaagcaa agcttcatgg cgaatcanag 300
gtgttntgat gataacaatg atgataaacac aagatgatga c 341

<210> 34397
<211> 295
<212> DNA
<213> Glycine max

<400> 34397

tattttccat tcttagaggc ttttacacat gaggtatgac tcaactgcat gtacttacac 60
tagctatgtc tgctaaattc gactccaaat tccaacaaac tccatgcaga atacgcaact 120
cttttattga atgataatat taggattatt aataatttaa acataatatt gctctctttt 180
ttatcaatag ttttaaaact attacaaacg aatgaacaca aatatttgaa ttaataaatt 240
aatatttact actatatttt aaattaatgt attgggcaat gatatttgaa tgatg 295

<210> 34398
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34398

agcttatccc aagaggggat ggaccttttt gatgcaatcc tatgccgcaa gggcattgga 60
tagaagaccc caagtagaat gggccacaga tgcaagagaa ggccctatgg ttcttatgag 120
ccttanggta gattctgggc ccatgggcta agtacgagcc cacttatctt tgtaaattatt 180
agattaaggt ttcattattt ttgggccttg catttacggc tccataatgt acgtagggta 240
ccctagaaat atangatttt tcagcccttg tattttacgg cacctagact agtttttgta 300
ttacgggtag ttttgtaatc tcacatgcac taagtggata tttgatgtgt gcggctggaa 360
ataaacttaa ttgaa 375

<210> 34399
<211> 428
<212> DNA
<213> Glycine max

<400> 34399

ttctccacta agttgcctaa tgcctgaaat gtcttctcta atggcaatgg tcctagatgc 60
 agggaagaat ttttccatga acaccctatt aaggatcatcc cagctgaaaa tagacctggg 120
 agcaaggtag tatagccaat cttttaccac tcccttcaga gaatgaggaa aagcctttag 180
 aaagtcatga tcttcttgga catcaggggg cttcatgggtg gaacaaacaa tatggaactc 240
 cttaagatgt ttatgaggat cttcacctgc aagagcatga aacttgggct gcaaatgtat 300
 tagtccagtc ttgagaacat atggaacacc ctcacagaa tattgaatgc acaagctttc 360
 ataagtgaat tcaggtgcag ccactccctc aagaatcctc tcacgaggtg gaggttgatc 420
 catgttct 428

<210> 34400
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34400

aaaccaacat gtttaagtaa taataacaat aataataata ataataataa taataataat 60
 aataataata ataataataa atattattat tattaataaa aaaaattaaa actcttcaga 120
 ttcttataaa ataataaata gaaaataaaa gacattttca gacaatttaa atatttttgt 180
 ttggctatat tagtataaat catctcta atccatactt ttttaatatga tgctcttttt 240
 ttattttctt ttgatatact ttgtgtttta acgacttgaa ttttaatatga ttatgtttat 300
 caattatttt tgaatttgta cattacttat acgtaattct ataagtttca ttnttttttag 360
 ttagtatttc actaggtttt aaaataatta attgg 395

<210> 34401
 <211> 64
 <212> DNA
 <213> Glycine max
 <400> 34401

ctccgctcat gagaatcaga tgattcaaat gtttgatgta acaaagatga taaccaaaaga 60
 tgat 64

<210> 34402

<211> 397
 <212> DNA
 <213> Glycine max

<400> 34402

gcatttagaa atgttagtca gtagacaaat tgattgagaa agaaaagctt gaaccataac 60
 tcggtgagag tgtgaactca attattgaga gaacgactag catagagcaa tgacttttgt 120
 ttcaatctct gaattttaga atgaaatgca taaatatgga tatgatgaag gccattattg 180
 ttttgaaagc cacttgacca aaaagcttac ctgtttataa atgataatat catttgcacc 240
 cttctgtgaa ttgaattgta atgggtcaaat tgaaccttaa gctttgaaat tgttatctct 300
 atttaccttg cttaggattt aattgggtta agacaacttt gccccacatt tgggggagtt 360
 tgtttgatgg ataatttaaa aggttaagaaa caacacg 397

<210> 34403
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 34403

cgcgcgccca atgagcctcg tattacgtca cactatataa tactcaagct cgtgtcaaca 60
 aataggacac cttctataaa tctaggattc atgcacgggt aaacctttgt agttgttcta 120
 cgttaccgtc atagtgattt atttgtgata aatggtgagc caaccaactt aatttaacca 180
 tactgtcttg aagttcacct tctgtgggtc tgactcccaa caattcttca cataaatcaa 240
 cccaatcaag atttgttggga ccaattaatg gtgccccatc aacacgcaga cctaataata 300
 cagagacatc ttaaagagta atcgtaacatt ctccgcatct catgtgaaat gtatgtgttt 360
 cgggccttca tctgtcaatc aaggcagtca ttaatgacgc atttattctt aggtatgtca 420
 tcttcattat ccaataaaaa ctagattgcc gaagtagagg aataatctcc tctagtattt 480
 cg 482

<210> 34404
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34404

tacaccatga tatcgccata tccttactga attctggagc tttggacttg gcttgggaat 60
aagcgtgggg gatttagtgt tcttggagca catgttttga tgggcgtgct tcatgataga 120
ttatgagcca tccttgatgt acactgcgta tgggccaat gtgggacatg ctaaataatca 180
tggtgtttat catatgctac tgcttataga gctacagaat cggcgagcat actgatgagc 240
cgtgaggttg agtgaataac atcttaagt accacacatg gaggagactg ttgagtctac 300
tctgtatgat caaacactat ctttacttct ttatattgtc ctatcgttac gtactatgca 360
ctcatgcac attagctctc tattegttcg agc 393

<210> 34405
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34405

tcgacgcttg gtaaggata tacgtccttg tagatgtctt gntgatgtcg gagtagtcag 60
agcacatacg tcatttgcca ttggcctttt ttaccatgac aatgttggcc aaccaattcg 120
aatatctgac ctttctgata aattgggcct tgagtaactt gtcaacctcc tttctgacca 180
ccttttgctg ctcttctccc atctntcttg gcttctatga tactagttaa gccttggggg 240
tgatgaccaa ttcattggcat atgatgctag ggtggatacc aagcatgtca aatggttgcc 300
aagctaagtg cactatctag gtttatgtcc aagttctaac ttgacaagtt cttcgatcgg 360
tttcagacct ttgtgaaaaa tgatcatcca cggatctaca tcgaatacac catcttgata 420
tattctan 428

<210> 34406
<211> 397
<212> DNA
<213> Glycine max
<400> 34406

ctttgttctt ttataaaat gagaagtttt gaactcatca tggtatctaa aaaccttggg 60
gtggatccaa gtgctccgat catccatttg catactcatg ttttgggtggc atactcaccg 120
ttgcttattt ctttaggaat ttcataataa ctaagaaaac atcaaggcac ccctataaca 180
ctcgatccag aaaaatggat aatgaagagg gcgtgcagga acagatgaag gccgatctat 240

cggttttaaa agatcaaag gcttccatct cggaggtcat gttaaaactc tagaaaacca 300
tagaggataa agccacggca accgcctcca gtatggttag ggaagcggag ccggtgctgc 360
aaccgcgttt aaatccgggc cgagacagat acacggg 397

<210> 34407
<211> 429
<212> DNA
<213> Glycine max

<400> 34407

acaaatctgt tttaaatacca agcccataag taatatctaa tcaaacttag ataagataag 60
ataagataag atctagatga aataatatct agataagata agatataatt ttgtagaata 120
aattagctctg ccctcttcaa gtccaagccc aattctggat tcaagcccaa gcccaattct 180
agattcaagc ccaatgcttc attaatctct gaaattagat taaaaacatc aaattagctg 240
aatggaccca aataataaaa ctgcctaatt aatttgacaa ttaagactaa tcaatactta 300
aaatgggtgct aaaagggtta agaaatagga gaaaataatg gcacatcaaa accccccata 360
cttagccttt tgcactcctg ggcaaaatga aataaagaac acaatccaag gatataaaag 420
agagacaag 429

<210> 34408
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34408

tgcattcttt ggacaagcta aacatgcaaa ctagaaacta aaatcaaaaa ctaaaaactg 60
aaacataaat ataaacctaa attataaaat gtactaaaag caaaataata ataaaagtgt 120
tcaaaaagata ggaaaataga agtctgttca tgggtcctat ggtgggtcct gtggtgcaga 180
aggggaaaaa tccatggttg tgacatcatc ctcatcctca gagagctcca gcacaggcgt 240
gcctactggt gatgcctgtg gggaagtcaa ctccagcaca ggtgtggtca ctggtgatgg 300
ttgtggagtc gtgtcgggag tagcctccac aacgtcctcc tgagtagctg ggtcagtctc 360
taagatctct ggctctggaa tctctaagtc agcctctgga tcaacan 407

<210> 34409
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34409

taaaagccca attgaacctt ccttcttctg gtatTTTTgt cactttaagt tatgcagttc 60
 ggatttaatt atctcactct caaataagat atcttactcc tgtatgatat gttctctctc 120
 tctctctctc tcacacacac acacacacac acatatatat atacatataa tcttttccga 180
 tttggtttta ttaaattatg tttaaagcaa taaattcaat tagtatcttt acaattcggt 240
 gattgatttg gtttttaaaa tgatgttttg aaagcccata tatatatata tatatatata 300
 tatatatata tatatataat agccttgtat ttaaataaga aaaattaaga ctaaattaga 360
 attttgatcc gcctgtagtt tcacatctaa tccccttatt tctaaatcaa gacatgcatn 420
 ctttt 425

<210> 34410
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34410

gcgagaattg tgaatcgatc gacactctng gtgaatacga tctcgagacc cgcggatcct 60
 ttagagttca cctgcacgca tgcattgttt atatatatgt acacaatatt tgtcttactt 120
 tgcggatgac aataactaac attttgacct tgtaatttgt ctattaaaag aaaaaagagg 180
 agaattctgt ggaaaacata cacttaattc actttacgtt taatccaact tggactttat 240
 ttatgttaac tcacacacat aataatgaat attgctgtaa cgtcttctat tgttgaata 300
 ggtggatttg gtcacaaaag aacctggatt aggaaaaact cctatatagt tcatatgtta 360
 taggtccact cacttcaata gttgaaatct atgcatgcat taagagacaa ttgcaagtat 420
 cccatgtaca ataccaaca ttttaattga acatgattca ttgtcagaca aacgctatac 480
 tgcttg 486

<210> 34411

<211> 143
 <212> DNA
 <213> Glycine max

<400> 34411

agctttgaca tgacttctgg gctgacgac acctttgcta acagccacct tgctgctggt 60
 ggccaatctg atgcccgggtg cagctctgct cctacttata tcaattgcgc attactgcaa 120
 cttcctttct gctatctacg aat 143

<210> 34412
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34412

agggctggcn ttttggcctt tanngcttgn agagacanta tantttactc aagcttatgg 60
 taaaatctgg gacttagcca tggtagaagt cttcactttg ccattgcctc cctcgcccaa 120
 tactatgac aaccgatgag gtgcttcacc ttagggggact tccagctatc acctatggta 180
 gaagaatttg aagagatcct gggatgcctt ctaggggggat ggaaacccta cctcttctca 240
 gggttctatc cctcatagtc caaatctcgg agcaggaatt agaccacaag aagcaagtca 300
 aaaatagggg ggttgggaata ccgagaaaat atttggaggc aaaagcaaga atcttggcag 360
 gtaaaggcga gtgggccccg ttcattgata ttctcgcaact gttgattttc ggaggagtcc 420
 tctttccgaa tgtggatggg ttggtggacc tggcagtgat cgacactttt ctgcctatc 480
 an 482

<210> 34413
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34413

gcgtgtttgt gactcattga cacccttga tgcactacta cctgggcaat tcagctcgga 60
 cccgggatcc tctttattta cctgcaagca tgcaagcttt ctagctcttc attggtgtat 120
 ttgatctcc ttttgctgct ctaaattgtg ggaacgtgct cacatatgtg gggcaatcta 180

ggcttgtatc cttgcttgac taacctgaag tgccggtttg tatgacatgg tcctatgcct 240
atcatgcatt ttgaagtact gtgtcatgcc acaattgccg cgttctcttg ctattgatgc 300
ctaaacgcgc gccaccact tgctggtgaa atgcctcaat ggcattatca cgtgattttt 360
gtaaggaaac aacccatgcc gctgattggt ttgcacatac ttttgggaca tgcattcctt 420
ttcgacagag ctacaataat ctgccctcat gtgtcttacg tctcgatacc acn 473

<210> 34414
<211> 395
<212> DNA
<213> Glycine max

<400> 34414

gcctctcgac atattatgcy ccggaatcgg acatccgtgt tatatgttat gaccattcga 60
atctctcgag agcttacgat gttcaattcc gagcgtatcg acatattata tgcctgaatc 120
ggacctccgt gtgaaaagtt atgaccattc gaatttcccg agagcttacg ttgtgcattt 180
tcgagcgtct ctacatgtga tgcgccttaa tcgaacatcc gtgtgaaaag ctatgaccat 240
ttgaatttct ccagagcttc cgttgtccaa tttcgagcct atcgatatgt tatgcgcccg 300
aattggacct tcgtgtgaaa agtcatgacc atttgaattt cactagagct tacgatgttt 360
aatttcgagc gcatccacat attatgcgcc tgaat 395

<210> 34415
<211> 380
<212> DNA
<213> Glycine max

<400> 34415

tttacagcag attttagtaa tgaccacta acctataatt aaaataactt aatgccatta 60
acctagggaa ttaaaaaaaaa acttaatggc tgagtgtaac tgatattgtg gcaacaaaaa 120
gtcaccccca acagccaaca agtcagtcac catttggctt cccaaaaggc tgatgcctag 180
gttgccaatt gggcccttat tacaacttga actaaaccta tctaaagccc ttttagtga 240
ttaacccaaa acatattttt ggtcagccaa ctttacaagg attgcgccat tatttagaca 300
aactaaacac tctataattg agacaaagtg gtgtcattta gttctcctcc attagggcca 360
tgatacaact cacaaccttg 380

<210> 34416
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34416

tcaagatatt tgaatggtca taacttttta tactaatgtc cgattttggg acataagata 60
 tcaagacgct cgaaattgaa caacggaagc tctcgagaaa tgtgaatggt cataacattc 120
 cacacgaatg ttcgattggg ggacataact catgtagacg ctcgaaattg aacaacgtaa 180
 gttctcgaga aattcgaata gtcataacat ttcactcgga tgttcgattc gtgggcatat 240
 tatatggaga cgctcgtaat tgaacaacgt gatgtgaatt tgagtatgag cggatcattt 300
 gataccggct acggagggtt ggatgacgcc acttccagtg aaggaagata agtcatggta 360
 gacgccactt ccaatgaaag aagataagtc aaggtagacg ctcaactttca gagaaagaag 420
 atn 423

<210> 34417
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 34417

ttgtgtcact tacttttttg ttagggcgtc tcaatttcat gttagctctt agattttttt 60
 tttttattaa tccttggttg tattcatcat ttcattaata tagaaatgat gagttgattt 120
 cataaaaaaa agttttgagt tggacttttt tgctaaacaa aggcaaacga gtaaaatatt 180
 aaattagtcc ctcatTTTTA gaggcactgt caatttgatc cctgagattt aaaaaatatt 240
 aaaatgatcc tcgattttac atttcgtttg ccacgttagc ccctgtcatt agtagtctcc 300
 taagaccgtt agtaaatgtg tgatatgaca cgctaaatgt cacctagaca cacacgtgaa 360
 acttcacat catgttttct tacttgccac gaaggg 396

<210> 34418
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 34418

aatgtgccca gagttgattc acaatgcata tgaagaacca catggtcaca tgactaccat 60
 cctatccatg gttttgggtc tttctaactt tatgtgggtt atcacttttag gttcaaatat 120
 atttttatatt ttaatacata ttttaattcgc ctatttattc ctaacaaatt ctttattttc 180
 tatcgaatgt ttaataaaaac gattattttta tttattatca ttcataatttt attcccatct 240
 tcgataaacg agtgatctta tgattatcct atgatataac acataactttt atgttagttt 300
 gggctatcta taaataataa ataatacttt ta 332

<210> 34419
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34419

aattctcagt attatgaaca tgtgaagcag taccctttat ttttaatctt gattaagtct 60
 cttccataaa taaggattgt acccattgtc tacacgaaaa taaagactat ctatcttcca 120
 aaaatgtaaa tgcttttact ttatagtgt aaaaaggaaac aacaaaaaag aaacacaccc 180
 tcactctttc cacctatcct acatcttatg ttatctatct tactaatatt tgatagacaa 240
 ctgtgattga agtttttttc tttttgtttc ttgctctttt tcttgtgatg attgaggaag 300
 tacccttttt ctggaaaagt aagttctaca ttgattaatt gtattattcc catatttttt 360
 ttttagctgaa tgaacagaca tattttgacc catttag 397

<210> 34420
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 34420

ctttcaagcc aatttctatt caatgacaaa ttgtttatat tatggagact ggtgcatcag 60
 tccagacacc gcgggtcact cttcatggga catgtttaca actgttcac acaaaaactaa 120
 agtcccttg aataactgaa ttgtaacatc agttatcacc tttatcttca cagactacaa 180
 cagaggctaa accacacgaa tcttgtgact gtacatcaca agcacaacca ttggcatgag 240
 toccaatctg tcaatattac attacacatc cagaagaata gcaccactca atatccatca 300
 gaccacgtat ttcactctc 319

<210> 34421
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34421

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 tgctagggtta taaatagaaa catgtgtaac tcttgtcata actttgagga atgagaaact 120
 tgtgtgacac acttcaaagt tcaacttctc tccctaattc ccttcaattc ccatgcccc 180
 ctctctctct ctttctcttc ctccattgaa gcttcctctc taagcttctt atccaaggca 240
 ctctcttggt ggtgaagctt ctgcttccat gggttattct ttagtgatg acgcctctc 300
 taaccttttc tcttttatct tctgctgcaa caccgtggct aanaaccacc attgaaggac 360
 cttattgaag ctcatagatc tagcctccat agaagctttc ag 402

<210> 34422
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 34422

ggacatgagg aagtgttgaa gggtgaaact tctgtctttt attgttgacc acagagtgg 60
 acctggagat atgtcgcggy ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggccag tgagaacctg 180
 tgatgtacct aagcaggcga gtcctggga gtcaacagat aaaaggaaca aagaccacaa 240
 agcatggagg cttgtggcgg ctggccagct gtgaactctg attgatatgt gggttatggc 300
 ctctggtaat cgattaccaa gggtgggtaa tgcattacaa ggcttaaaaa tgaagacagg 360
 aggctaacat ggtctctggt aatcgattac caaggggtgt aatcgattac cacgc 415

<210> 34423
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 34423

agcttggtttt tataatctcc ccccttctga tcatgaggac cctgaaatca agaaacacat 60
 acacattctt ttcccaagtc gatcactcac ttaattctcc atattctccc cctttgtctt 120
 tgagcttaag cctcactcga aattaagcta tctaattatg tgagttcttg atttcctatt 180
 ctctctcccc ctttggcatc aacaaaaagc caaagtgcgt cagaaataga aaacatacat 240
 aaataactaa tcatacaaga gaata 265

<210> 34424
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 34424

tggtacgtag taggtattgc attgtgcgaa actaattttt ttcgttggat atatctgtac 60
 caagattagg tggtctgaac ggcaggggat ctctattggc aaaatattga taattagtta 120
 taaattttga caattgctat attcagttct cctcgttatt ttattcactt tctttttgaa 180
 tttgtttttt tttccaaaga tatccctgt agaaaaata cacgctctct tttgaacata 240
 cttacgtcat taccctcctg agacaaatat acttcccagt cgagaagcgc tacactctgc 300
 atgacccaaa cacaaaaaac accatttaga aaaaaaaat cacctcataa aagacagaaa 360
 ctcatagatg gaactttctt tatctagcag tagtagtaac actaccatt accaccaag 420
 cttc 424

<210> 34425
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34425

agcttctttt gtattttgaa caagccatta actgctgtgt cagaaccatg ctatgtgctc 60
 gccactggcc tctttcttcc cttcgcaact tgagttcact attgctaccc catagagctc 120
 cgcgaaattt gtctccgcca tactcttgc tgcgagccct cttggtctct tgttcaaggg 180
 ctcttgcaat aattgcactc tcttcccgta acccggcaca ctcttccga acgcgcgtag 240
 cggccaactt gaacttctcc ctggcaagtt ctgcctttcc taactcgctc ttgagagtnc 300
 ggacttcttc gtcctcttcc ggtgcttcaa aactctctct cctgacgact tttcactcgg 360

cgagccaatc taaacctegc atatgaacta tcag

394

<210> 34426
<211> 438
<212> DNA
<213> Glycine max

<400> 34426

tatgcgcata tttccttaca aacgtttctt tgcacaatac attctattaa ccaaaaaaat 60
gcacccatat acaatcaagg caggttcggt acctagatta tttacacgta cttccaaggt 120
gcatttggtta cttacatcac acacctcctt ggctaaattc acatacatgc atactcaaag 180
cattttgggg taccaaaaat tgcacatgtg cacatcttgg tatttctaata acctatacat 240
acacaaaactt catgatgaat cttgactatc tacacaataa ggtgctacat tttatgctct 300
tttcaagttt ttgctaccta aagccgcatg caaattcaag tatattttcc tttgctgact 360
aaaattgtat tcaaattaaa aggtatacat tttttggtta tgtatcttct ttacataaca 420
tgcaacatat ctatgtat 438

<210> 34427
<211> 191
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34427

ttctttgtat gangaagtgt cgaaagggtga aacttgctgc ttttatctgt gaccacaaac 60
tggtacctgg agatatgtcg cggggggtcac gacaccttgg ggacgtcaga tgggggtgcta 120
ttgcccacaa ccaagcttga ccaattccga tccaacccga gcatattcgg tcaactgagaa 180
cctgtgatgt a 191

<210> 34428
<211> 428
<212> DNA
<213> Glycine max

<400> 34428

tgctaaccga tggaagctcc taatatctcc cacacttttt ggggtgggcc attcttggat 60

ggccttgatt ttctcagggc ccacttgac cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgttcttcct 180
aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctacgctcc tactatacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctageccattc 360
atacaaacca aacttgggtct tgaaagcagt tttccactca tcaccctttt tcatcctgat 420
ttggtgat 428

<210> 34429
<211> 76
<212> DNA
<213> Glycine max

<400> 34429
acttttttta aaaaaattta ttaacttttg atttttaaac gaacggcatt tttgtaaatt 60
caatgaattg cttggt 76

<210> 34430
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34430

tgcacttgag ganannncna gacgacatct nancgctagt ttttatttta cttctaacct 60
ccattgagga cagagattca cacttatgcc tccccactcc tgaaagactc actcttttgt 120
ccactcacia caccagattc tctctttcta accctagggt aactctaccc ttaatctcta 180
actgttccca taggcaatcc cagcatataa acatcatcac ataaccctaa aacagaatgg 240
gtctgcctaa ctcatcccaa catgggaatt ccaacaagct tacaacaaga tccttcacia 300
ataatcatca gacagcataa aactacacia caccacccat catatctccc ataacaccat 360
accacacaaa cttaacagag aaagaagtcc acctaaacct gaatcttcca agccccactc 420
gacagcacgc actt 434

<210> 34431
<211> 377

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34431

atcttctact tatgtggcag ggcgggcttc cttcactttc ttgtctccaa cgcgagcttt 60
gaccactgct ttctcttccc gogatgcttc tgttcataac cccctgagt gggcttatag 120
cctaaaccat acctccacg atttcctttg gcatttatca ggctagctat gccgccgttg 180
tctttcgcta aaccatttc gggttcataa ccgttcccca acataactcg ggccatcatt 240
actgctgcat cggacaaaaca agtcgtccct ttatacttgt cgaagtcagg cactttgaac 300
ttccngggaa taacaacatc acgtactaag catagatccg tcatgtctgc gaacggatag 360
tctccaaatc cttccac 377

<210> 34432
<211> 432
<212> DNA
<213> Glycine max

<400> 34432
tttatcaact tgactcttta tgtaggtcaa gaggcttttt atttaaaaag aaaaataaat 60
cgtatattta aatacatcat gacaaatcta atactccctg ctgtcctata tatagaaaca 120
agttactcgt tcgtcaagac caataaaaat agtttagtta gttagtttta attaataatg 180
tcaaatttaa attttattca aaacataccc ttttaaggta ttttgtttga gaagtagttg 240
catttaatga catgagaaac agtgtaattt atatttttaa tagaccaata aatgcatgag 300
aaatgagtag ttacctcatt aatggatttc acaacatgaa gggtaaaaaa gaaaactaac 360
aattaatata tcttacagtg ggtctatgtt tcttataatg aggacaaaca aagaataccc 420
tcttgtttct ta 432

<210> 34433
<211> 373
<212> DNA
<213> Glycine max

<400> 34433
agcttatttg tttaaaaaat taaagatctt ttgttatct ttccagcgac tactcacacg 60

ttccatttgg agttcttttag tgtctttctac gcttgcacaa ggcagatagg tcaagtaagc 120
 acaaaatcta aaatttaact acaattctca attaagctca atcatttgcc ttagaccaaa 180
 accgagttaa tgtgagaaaa taacggtcaa agagatttca attgacctaa gaagaataga 240
 caaatattaa actacaaata ctcaatcaaa ttccccacaca ctttatcatt tgaactcatg 300
 ggagaaacta acagacagat taagacaaag atatcaaact tagaaaataa ccacactaaa 360
 agaacgtatg aac 373

<210> 34434
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 34434

ttcttgtttc tttataagac actcaacatg tcatcaggat gcacactgaa cacgctcctc 60
 aatctgttat attgattgtg aacgaatgct tcaaccgtaa ctcggtgacg gtgtgatcctt 120
 aactgtgaga gaaacgacta caactagggtt atgaattttg catgattctc tgaattatgg 180
 aatgaatgca tgaatctgac gatcatgaac gtcattgcttg attgatatag ccacttatgc 240
 aaaacactga ccctgtgcat gaatgattta tcccttgac ccagattgag tctaattaat 300
 gtctgatcga tcgaaccttg agcctcgcta gctatctcat gctacct 347

<210> 34435
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34435

ttgagccaaa atcctgactc accatagacc ttgactcatt gtgttaatgt caatccttac 60
 cctcggaagc gaaaaggaaa gaaggaagat ttccaatcca agagaatgca tataaaacga 120
 atgagcagaa ggaaaattcc ccaatcaaag agtgggagaa agcacaaaga taacaaagaa 180
 aattcccaat ctaagaatgg gagaaagtaa aaaaggaaga agaagaagga aagaaagctc 240
 ctgatcacgg attgaaggaa aacagaagaa atgtgcacag aggtcttttg accggacaat 300
 atctgaacaa tacagaattg tcaccaaag aacaaaaaga aggaagggaa accacaacct 360
 aatgtggtct tctcccttta attgccaaacc agaattctgt gtgctagcga c 411

<210> 34436
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 34436

agcttatgaa tagaaagaag aaaatcatgc aatagattta tcatatttca ttttcaaact 60
 atgtggaaca atattagtag atccaaatat tatagattag aattttttcac tatatataga 120
 ctaagaataa aaatagtttt ctcacattct actattcttt tcacaagtct ctattttcta 180
 aactaatgta ttctttcttc aagaaacctc tttagcctca ctttaaagaa aaaattgatg 240
 ttattaggag atagacaata aatactccat gataactgaa agtattctct aaaactgcac 300
 aaaaggtgca agaactaata atgaaactta gaaatgaaca aacgaataat ggttcttaac 360
 tcttttgata tgtagcaaga tcattatc 388

<210> 34437
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34437

ttctcccaag tactaaatga catttcaagc tagtattaac tcactttaac ctccatttac 60
 cacagaattc agacttagcc ttccaactct caaagcctca ctcttttttc cactcacaac 120
 accacattct cactttctaa ccctagggtta actctaccct tcatctctaa cagttttccat 180
 aggcaatttc agcatataaa catcatcaca aaaccctaaa acagaatggg tatgtctaac 240
 tcatcccaac atggcaattt caacaagctt tcaacaagtt ccttcacaaa taatcatcac 300
 acagcataaa actaacaaaa ccacccatca tatctcccaa aaccccatat ccacgaaatt 360
 taagagagaa agaagtccac ccaaacctga attttcgaag tcccactcgt agccacgcac 420
 ttcacgaccc c 431

<210> 34438
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34438

agcttgtgtg ttagagagga tttgttcgcc ttgtggacca aagagctcca aagggttctt 60
 cttgtctaataat gaatgtacta ngaatgctga tatagtttgc attgggtgtt ctttttatca 120
 taacagttat tgttttggtg tttgtgtact tttttccaca gtaaaaggat ttatattaat 180
 attaagtga ggttatgctt gtcacaagaa gtgccacacc caacctcata aatgcatcat 240
 ggagttcctt ccaaaacact actactcctt tacatatata ttgattctac aacattataa 300
 ggaacagatg gtatcaacaa tattccatag taccctacca tgccttctag tgttccttg 360
 gtccttattt c 371

<210> 34439
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34439

tctactcctt ttgttgcata tgttgttgtt gcggctccta ctctccacc tctcttact 60
 atctctatta aggagatttc tatttctcat gcgactgaag ttagtgcgcc agtogettcg 120
 gtcagtgtg tcgaggctcc tctgtctact attgttgac ccttgttgag cgtcgggtgtg 180
 gcaaccataa gtactcccgat gatgtccctt cctccttctt cagcttcac agttcccccc 240
 ttgaccgtgt tgggtgcagc gttgtcttcc acttgtctt tcacccaagt gtttctttgg 300
 atcacatctt cacttcttgt gatgttgatt ttctatgggg tatgggttac aagcctgacc 360
 agaagaccct cggtggcttt gtgtcaacct atgataaaaa tcttattcgg tcagctgggg 420
 tct 423

<210> 34440
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34440

aatgttaatg tcacatcaga taatatcaaa aactatatca aattatggag atcatgatat 60
 ggtattgtaa gtgacatcct tggccagagt aggtttgatt gggatggcac taagcacatg 120
 atcacaattg agaatgaaaa tgcttgaaat gaatattgca ctataagtat tctttaatat 180

attgctatTT gttattcaaa gtagattgga tttgactttt tctttttttc cagtggcata 240
aatagagtaa accgttttga ttcaaggTgc ttcaaaacta ggatgataca gtggatttgt 300
gcgctaaaga tagagccatt ggtcatggag ttgaaactgc tgatgtagct ccatgtggag 360
cttgtatgcc taggatcttc ttcatcaatg gagtacn 397

<210> 34441
<211> 426
<212> DNA
<213> Glycine max

<400> 34441

tatcaaggag tacgactaga tcctcgttgt gaatgctgac aatgtgggat cgaaccagct 60
ccaaaacatt cacaagggTc tctgcaatga ctctgtcatc ctcatgggga aggaaattct 120
tcttttaggt gcatgataaa aaggTatgga gttccaagtG ggaaatacaa gttttatagg 180
tgtgcctagc agtggataaa caaccattgt atcttaatag cagctgctcg aggcatatga 240
taggagacaa atcaaatttc ttgcctctaa aagctaaaga aggaggattt gtaacctttg 300
gtgacaacaa caaagggaga attctcagat acctctttat gatgatgatg atgtaagaag 360
tcctaaagaa tcctctccta caagtgaana ggtagtgaac aataaccctt ttgaagaaca 420
cccaact 426

<210> 34442
<211> 365
<212> DNA
<213> Glycine max

<400> 34442

catgtatggc ttctcgagc ggtgacatta tcttcaaaca tgagtgaacg aatcataacg 60
atgcatgtac ttacgagctt acttgaatca gtaagtaata tttatctagt acattccaaa 120
aatatatgca ttatacgTac ctaattatat ttgtggactt caaggcacat tggtagcttg 180
ttggtagtcc acgagaccat aattgtggct cggtttgctc tctacctaaG aagcctaata 240
ttaacatcca agttgccact aacacgctat ggatcaaatc ataattcatt tactatataa 300
caattatagg caacgccaac ataatcttaa tcttatatat cgttatgcgc tttttaacca 360
tgcat 365

<210> 34448
 <211> 569
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34448

acacctgtat ctcaccctaa acacnacnt aatgtantca ccttcttgtn tattatatta 60
 tatannnann nnnnnnaaga gatgtttgat gacgtcgatg gacactccaa ggtgaatccg 120
 agctcgggtgc ccggcgatac agtagagctg acctgcatgc atgcattctt tatacctcga 180
 tacaccattc cattaatctc aactacataa gatgccaaga cctattgaat tgcggaacca 240
 atgtcacaga ggcgcacatc tatgacagct tcctaaatgg caagccaaac attccatagc 300
 atgatagagg aaccatcgaa ttgcatgatc taagtgggtgc ataataaaaa cctcacacga 360
 cacacaacga acataggata tacggtggag ggtgtacgga tcagaaacca tatattaagc 420
 tcgtgaagct tcgccgtgct acagatctat ggacatacaa acggataaga gcgctcaaaa 480
 tagagccatt gatcacgaat ctgaaactga taatgtagcg tcattgagca gctccggagg 540
 cattggatct tcatcatcaa tggaagtcn 569

<210> 34449
 <211> 526
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34449

acaatcgacc cccggtaaca acattacgac aaaccgaaaa cgacacaccc acaccnaaag 60
 ccggannatg aactcgtgac gcaggcccta ananaccag cgncacggac nccccagaac 120
 acngngaaga ggttatcccg aacacacctg acaaccggg agcaagcaat aacatgtatg 180
 cggcacccaa ctgagaatga agacgacaga acaccacaa ttcaaaggct acaccgacgg 240
 tggcaaccgc gagtaggaac aaaaccagca tgcaagtgc cctagacgaa cggccataga 300
 atacggcaag ccacgcaggc acatgggtca caccatttga ggccacttat ggtaaacctc 360
 ctgcgaaaag tgggaagaac tcaatgtac ctcatggta acaataagaa aggagggagc 420
 gcaccaaata ggccgagatg agactaatcg aaggacaaaa tccaataaag cggcaaaatc 480
 aagagatcct aaacagaaac aaaataaaac agcacagcga acaccg 526

<210> 34450
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34450

atctttttgt attccatata tagaccatt aagcgtgcaa accacatgct cccactatc 60
 acacgataaa cttcatggt gtntcatata aacctctcc tctaaatcac cattaagaaa 120
 agctgctctc acatcaattt gccgccactc aacgtcaaaa tgagcaccta ctgccaagat 180
 tatacgacta gaatctttct tacatactgc acaaaaagtc tctttgtcat ctattccttg 240
 cttgcgagtc aatcccttag caacaactct tgccttgat ctctaatagt tgcctaata 300
 atccttttct ggcttaaaga cccacttaca 330

<210> 34451
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34451

agcacaatgg cgattctaatt tggatcatcta gtggattata ttttcaaaaa catgaatatt 60
 atatatatca acatgcattc atttaggaag acttaaccac aaagcatgaa caaaagctag 120
 gaaccaagaa gcacaagaaa gcgagcagcc ggtggaagga aaattcggtt ctgaagcttt 180
 tatcgatccg tttcaatcca tttttcttcc atcttcttcc ctttcacccc acctttattt 240
 ttgtaagtct ctcatgacaa caaaagacta agattaccta ttgttggttag ctctgtaaat 300
 caaactctct ttgatgtaat gattctaaac tatcttttaa tataatgctg ttattattat 360
 tcatccctat gcttatttat atacttatgg ttgatcatt catctttatg tattgggttaa 420
 agatatan 428

<210> 34452
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

agccaagat tgtccactaa gtgtgctttg gtgtcatgag gcatgtaaag catgaaggac 360
atgcacaaag tgtgactata tgatgtggca atg 393

<210> 34455
<211> 432
<212> DNA
<213> Glycine max

<400> 34455

ttggctgccc agcagctctg aattcgtgag tatttattga agatgacgca ttgtaatcga 60
ttacaggat tggtaatcga ttacaggccc aataagcctt ctggtaatcg attacaggat 120
gttgtaatcg attacaggct gcctgttcat gtgtaatcga ttacactgga tggtaatcga 180
ttaccagagc ctatcctagg ctagtttcta agagaatata tatatttatg ctcaaataca 240
tcctatatga ctaattttca ctactaatac actaaattca atcattcaat tactatatac 300
acaagaaatc ataaattcta tcataaagac aagaattcaa acaagatcaa acaaaataat 360
ctacaatcaa aaggtaaaaa gtaaatcaac caatcaatca accaatcaat caaccaatca 420
attcctattt tt 432

<210> 34456
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34456

agcttgtaga ttgctccaga atgaagaaag cctcatattt aaagttctga aagttaagta 60
tttcctagat taaacctgtt tttgaagtaa aattgggcca ttaatttgtg gagatttctc 120
caagggagga ttaaacaacct gaacttatcc aagttaaacc agctaaattg atatagtgat 180
tttttgtgta gaccatatgc aatttgagct tacaagccag tttagccagg gagagaactc 240
ccaacaaaat ctagctagct ataaggggtg tggagaagtg gtgaaaatat tcttttttta 300
atgaataatt ataattttct aaatcttgat ttanattgaa atata 345

<210> 34457
<211> 430
<212> DNA
<213> Glycine max

gaagaatatt caggtatccc tgataatagt tccaacattg agaattagaa ttgttgatga 240
aacaacattg agtcttgcaa tgaagagaaa ttcaagaaat aaattcatat aagtgaagtt 300
gattcatggt agttgtgaga gtttttgcgt tttgaatttt taatctttta taagtagagt 360
ctttgctggt acagactttt ctcttctttt ttctgttttt tagtttagcta ttgatatacc 420
aataaagtct t 431

<210> 34460
<211> 337
<212> DNA
<213> Glycine max

<400> 34460

agcttatgtg taactactct tgatattttt taggctatgt gtttaaattt ttttaaaaca 60
aagtagattc agaaaataat tacatttatt attattttga ttaacttctg aatatgggtg 120
aaatcttatg tgtgtctgac atattaaaca agttaacgtc taattttatt gattagaata 180
tgaatctgtc taaccaaatt aagatgttta ataagtaagt ttatttaagt attttatact 240
tcatagcttg taaggcatta cttatatatc gcatataggt tcgcaactct ctttttatac 300
ttcttatcat tactatttta atacaccttc ctcttat 337

<210> 34461
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34461

tgaggggggt tttaaattaa tgggtgtgac ttatgggtat taaatgggta tggtcgactc 60
ggatgctaac cgatagaacg acatcaatgg aagaccgtgg atgatgttcg attattatct 120
natggttcat ccatggactt caaaatttgt ggtgacagaa gcaacaatag accaaacctt 180
ggcttggatc cgttttccaa gtctttggat ggtctatcat gatgagactg tattactgac 240
cttggcatca actattgcaa caccatcaa ggttgatcta aacatcttga atatgcatag 300
gggaaagttc gtgcgattat gtgcataaat taatctcaat gtccttgtcg tgggagattt 360
tgcacatgat gaaatcggtg taatatagaa tatgacgcgc ttcattattct 410

<210> 34462
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 34462

 agctttgttc tctgcatgtc ttcacacagc aaaatctctc aaaactctct ggattcagac 60
 ctttctctct ctagagtctc tcacatgcag aagctccttg agaaaatggc taaaatccca 120
 gaacttgaac ctctctttgt agaatctctc acatgcagaa gctccttgag aaaatggcta 180
 aaatcccaga acttggacct ctctctctct agaaatctct aaaaaatata taagctcaag 240
 gaaaagccca cactcctctc aaaatctgat tcaggcttaa atagggcttt gttgtgttga 300
 cgcttatgaa ctctgaacgt tatcgccatt atggatttgg ttaca 345

<210> 34463
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34463

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 ggcacttctc tctcttttga atttgttttag aaaaattgtt tccgtgaaga aaatccaagc 120
 cgagggtgctt ccgtaacgtt tccgtaacgt ttccgtgagt gatttcgcga aggtttttcga 180
 ccgttcttca accttcttca ttogttcttc atcgttcttc agtcttcaac gggtaagtac 240
 ctcgaaccaa gcttttcgat tcattctatg taccctggtt ggtccacatt tggtttcatg 300
 tatttttatt ctcgtttcat ttacttttta taccctcttt tgacgtgctt aagccattnt 360
 atttaagtca tttctcgctt aacctaaaaa taaaataaat ttccaccgat cgtttgaatt 420
 gtattatccg ttaact 436

<210> 34464
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34464

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atggaagcct acactccttt atttttggta cgtaatatga agaatgcttt cataattcga 120
ttaagtggac ttgcatgttt gcttggttgg tttgcttttt aattccagtc acaattagcg 180
gctctttaat cttgaatata ttatattgaa tgaatagctt gctttgtcaa atcacagata 240
aaataaaggg taaatttctg gattggcctc gacgcttnca cataatattt ggaataactc 300
gaggacttct gtatcttcat caagattctc gattaacgat tatccataga gatctcaaag 360
caagtaacgt tttacttgat g 381

<210> 34465
<211> 382
<212> DNA
<213> Glycine max

<400> 34465

tatcgtaatc gatgtacaca acttggtggt gagacaatgt ttgtttcatt caggagtccc 60
tgctttaatt aattaccatg tgatataatc aattacttct ctttctataa gtgtttcaca 120
agtgacccaa aacactttaa tcgattactt tgaggatcta atcgattaca ttattcttga 180
gagggtttcca agttttggga agaagacttt aatcgattga aatgataata taattgatta 240
cattgtagat ttaattgatt acaagcagat attacttttt tctctctata taccatctt 300
gtgttctcac ttctatgcac aagttcatta agtgccaaaa tgcattgagtt gatataagcg 360
ataagcgacg tgtgatactt tc 382

<210> 34466
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34466

atagcaagat gaacagtgc atgaattgct gttgatgcat tatcatataa aacctgaaa 60
acctgtttta aaatttatta attggcaatc ctttcaattg agagtaatat caaacatagg 120
acagacaatt agtatgaaac tgctgaagta atcaatttat gataatacat atggcattag 180
acattcagca aagttcacga atcataaaat tcccaccaga ggaaagtgc ctttctgagc 240
cacagctaaa gctgcctcgt ctgcactaac acatctaagt atgatctcac gaacctcaga 300

aatgacaccc taaacatacg aacncaanac agatattaaa acgtgga

347

<210> 34467
<211> 436
<212> DNA
<213> Glycine max

<400> 34467

tccatcatgt aaattgctta tatttccttg caattcctgt ctcatgatga gatagattat 60
gtccacatga cgtaacagaa ttgacagaat gaaacatgga accaccagca acatcctttt 120
ctatgtacaa ttctagaact gacatttggt gttgttggtg aaaactttcg atcatagttt 180
caacatcttc gtcatacaca atttgcaagg cgacatattt tcctaaaact aaaaatctac 240
aacttatagt agaaatgatt tcattatatt ctaactttcc cttatctcca attttttttc 300
aaagcattga aactaattcc gcatttaatc tgaattacct ttttactgcc ttcaaattat 360
acaccatcat tgtcttcata tactcttcgg ttgaaataca aactgtaat aattgaattc 420
atgatatatc tacatc 436

<210> 34468
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34468

taatgaccca ctaacctaga attaaaataa cttaatgcca ttaacctag gaattaaaaa 60
aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaa agtcaccccc aacagccaac 120
aagtcagcca ccatttggtc tcccaaaagg ctgatgccta cgttgccaat tgggccccta 180
ttacaacttg aactaaacct aactaaagcc attttaattg attaacccaa aacatatttt 240
tggtcagcca actttacaag gattgggcca ttatttatac aaactaaaca ctctaaaatt 300
gaaacaaagt ggtgtcattt agtccttctt catttgngcc atgatacaac tcacaacctt 360
ggacttt 367

<210> 34469
<211> 436
<212> DNA

ttggccttct ttgtccatat tccaggtttt attaattaat gcccccgact aaactctttt 240
aattcaaact attcccgcta tctcctaaac ctttctocat ttgattttgc ttcagcattt 300
ttcttttact catacatgca tctgatcatc aagggatatct agttcaattg gctgcttaaa 360
atgtgtgaat tgttgtaaatt cttgatattc gtcttggatt tccatagata tcacacaaga 420
tacat 425

<210> 34472
<211> 268
<212> DNA
<213> Glycine max

<400> 34472

agattttctac agagagagag ctccaagttc cagggagttc gggcttctcc ttgagcttct 60
acattttgtag agattttctag agagaggtcc aagttccacg gagtttgggc atttctcgaa 120
gcttctgcat gttcacagat ttctacagac agaaaggcgc aagtctcaga gagttttgag 180
agcttttgct gtgcgaaaac tgcccagaaa ctgagcttga agagaaagcc atcctgacag 240
catgagatga gtctgtgact gattgcga 268

<210> 34473
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34473

ctgttgcgaa ggtgccccaa ccgtaacttt gatgatgctg cacaactgca tatcttttat 60
agtggttcga aacctcaaac caagatgac cttgatgcct cagctggagg cactatgatg 120
tccaagagtt cggaggaagc tattaatgta atctccattg gagcttgtag gactaggata 180
ttcttcatca atggattcct ttgcttcttg gaagatgaat gtcagcggaa tggagaagga 240
agagagagag gagacgccac ttcaaggaga agatgagtct agaagaagct caccaccata 300
agaggccatg gataacagcg tggaggaaga acgagatgaa tgaagggaga gggagagaag 360
agcacgatat tttgcgctca taaagagctc tgaaatctga agtttaatat tcanatgatc 420
aaa 423

<210> 34474
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 34474

agcttggttat ttacatgtcc caaccacaac agaagcaacg aaccaactac tgacgagccg 60
 ataacaaaac acaactccct ccccaaataa tcacaacgtc atgacgctcg cttggcaact 120
 cccacaaaga aatccccctt tacatcactt actggtgtca tttgctccca caacaaaggt 180
 tcggatcatc aacgtacaac cacacggaca aaactcaaag atgacctatt ctaaacacat 240
 caacaagcgt agatgacgat aattcaacga actatgtcat aatataatcc actcataatc 300
 a 301

<210> 34475
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34475

tcataaaagg tgacaaaatt gtgttcataa cacgtttcat gaattntttc gactctcgta 60
 tcttttagaga aggggaaccaa agtgccgatac tcttggcaaa ttatggtctt catgcaagtg 120
 atcctatattg gtgggatcat ctccctcttt tattttctta ggcttttatt tgtaataaaa 180
 gggtttttttt tttaccagaa tttaggtctt gttgagtcta tttgcatggg ttttggttat 240
 tatagtgtgg tatatgatta ctagattata ttggtgtcaa cataattggg attagttaat 300
 atgttgtgat gttgtgcact tcaataagtt tataaaaaaa tcattttaca ttaagatgag 360
 tcactaatt attatttata agataaatag ccaacatcat ctttgaaagt gtgaagtgc 420
 aat 423

<210> 34476
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34476

cttatttttag cgaaaaactt catagtgcc a ccttaacta cccacctat gataaagaac 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
 tcattcatag tgatcatcaa tcaactaaagt acattagagg gcaaagcaag ttaaacaaga 420
 ggcatgcaaa atg 433

<210> 34479
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34479

agcttgtaat cgattacaca aggcttgcaa tgcattacca gaagtttttg aacgctctaa 60
 aacagccttt agaaatttga atttaaattt taaagtctgt aatcgattac agaattgatg 120
 taatcgatta ccagagttaa aattcaaatt tcaaatgtga agagtcacaa ctctgcagaa 180
 aacaattgtg taattgatta caccattttg gtagtcgatt accattgaag aatttttttaa 240
 aataactccc aatagtcaca tcttttcaaa tgattttgaa tggccatcaa aggcctatat 300
 atacgtgact tgcgacatga attttctgag agttcttctg aactganatg tcttctctc 360
 tacaaaagat tctcgtcta acattgata ttc 393

<210> 34480
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34480

ttgacttgag tcatcaagag attataaata tgtgaccatg gcatgagttt caataatgac 60
 caatcatcaa tcatctttga atcatctatc tttcaatctt ttttcaacat catatctcaa 120
 acatctttca atcgatcttt caatatcttt ctacagaatt ttctgattta tttctcttca 180
 tctttctaaa agttttttat caacactttc tcttccaaga aaagtctttt gttcaaaaac 240
 ttgtgctatt catctttttc attctcttct cctttttcca aaagaatgaa ggactaaccg 300
 cctgaattct tttgtttctc ttttctccct tacaaaagat tcaaaggact aaccgcctga 360
 gaattctttt gattcttccc ttccccttaa gcaaaagatt tcaaaggact aaccgcctga 420
 gatattctttt 430

agttttctag ttgagtgata agccaancag cctaggggaat gacgcattaa aatattcatg 60
ctcgcccgaa tgattgcgca tgggagagac attagctacg cgcaatgcct atatgaccta 120
tgagtgaggc ttaacgagcc t 141

<210> 34484
<211> 373
<212> DNA
<213> Glycine max

<400> 34484

ttcaaaatat ggctgcagct tttggctttt ccaaacttgc aggtactact atatttattg 60
tattctagtg tcaagaatct cataattaaa tatttttctca tcttatgccca catatataac 120
taatggggat ggtcatttgt atttggtaat aagactcaac aggtgtggca aaagttgtag 180
gttaaggtgg acgaactact tgaggcctga tattaaaaga gggaaatttt cccaagaaga 240
agaacaaaca attctggatc tccatgctgt ccttggaac aagtaaata tcaacaccac 300
tatagcacct actatttaat gtgttttgat gttaattata tccttaatta aaagactgct 360
cattattatg gat 373

<210> 34485
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34485

agcttataat tacatttttg cctcaatcat ttccaaatat gcatgtgaat taagacgcat 60
cagcaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaatg 120
attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactcttatt gtcaaaacaa taaccatttt cttgaacata tcctataatt catagaanaa 300
catgcatagt cgcacgtgca caaaaaattg acccaacata tgaaactaaa aatccgacga 360
aactgacaac attaacaaat taacagatta acaaaactag cagacacaaa gaacactccc 420
gcgcccccat acttaaacaa caca 444

<210> 34486
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34486

tgcctgtccg atgcagcagt aatgatggcc cgagttatgt tgtgtgaacg gttacgaacc 60
 cggaatgggt ttaggcaaag acaacggcgg cattactagc ctgataaatg ccaaaggaaa 120
 tcgtgggaag tatgggttag gctataagcc cactcaggca gatataaaga gaagcatcgt 180
 gggaaggaag agcggtagtc aaagctcgcg gttgagacaa gaaggtgaag gaagcccacc 240
 ctgccacata agtagcagct ttataagcgc gggctctgggg gatgaaggtc aagtggtcgt 300
 gatatacgaa gatgatgttc cgagtacatt ggatttggtta cgaccatgcc ttcctgattt 360
 ccagctggga aattggcaag tggaggaatg ccncagcatt tacgcaacga gcataat 417

<210> 34487
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34487

agtttgtaat ttattttatg aaagccattc aataatatct aaccattttc caatcgtggt 60
 tatgcatcca tatacaatac atgtgtcctg atattcctta attgcttatt gactacaagt 120
 ctacaacgtc aaccacatac attttccttc gatcccttcc atccaaagga aacaaaacat 180
 aaaagtgaag gcataaacia gaacggaaat ggctctacaa caataattct atattttacgt 240
 acaagcaaag aatgcaacat catcacgaat gtattacttg gacgtgaact aactcaaaaa 300
 caatagtgtc agaaccagat tanagctatg tacgtcatga tgaagaagaa attatatatg 360
 atatgatatc atgcgttatg ggcacagaag atcgttgcct ggcccacat aatataagca 420
 tgtgccacat tattacta 438

<210> 34488
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34488

tatggaaata tataatgcta gtggctatca ctacctttat aatttatgtt caaaaatcta 60
 ctctctcag tttagagatg atgatgaaac ttgaaagttg cgaccatctt atatcatcaa 120
 ttcatttttt tattgggaaa aatttaagtg agttggattc gagagaactc attaggatta 180
 gaagagactc aagactaaaa aacgcttaca aattactcac caaacaaggt tctaatatca 240
 aaagcgaaaa tcgaactcac gtttttgtgg gatatgagtt tcttccttac caattggacc 300
 acaatctgtt ggcttatatc atctattcat aaacctatgg caatcgctcc actaattgggt 360
 gcataaaaag tgtataaaaa agaaagttcg gataagatag agcaacaaac acggtgccga 420
 cacttcttaa 430

<210> 34489
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 34489

agtttgatgt tgacacaaaa gtctaatatg tttgatgcac ctttcaaata catgggtgcct 60
 gaagatgtca gtaatcatgc tatggccatc ttaaccaatt tttttttttt tgcaatctgc 120
 ttatagctga ttttattttg attcttttgt ttctagaagg aaattcccga cagacctttg 180
 ccatcacatt ggactccttc tatgcagggtg aaaaacatat tctggtttga actttgatcc 240
 aatttggtgt ggtatcttga tcatgcacac ttgtgtttgt catacataaa aaggttgact 300
 ctgtacatct ctcttttaaa taggcatata acacttgtgg gtctactcca actccctttt 360
 taaatcaaca ggcagctggg tctcacatgc ctctctacat gtgggtaaat catgtactga 420
 tatacatacc attgcc 436

<210> 34490
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34490

tgcagcacac tagcaaacgt agaattatgt ggaacattag atgtttgcct cattcgacaa 60
 aacaactcca aagcctccct acttttatca ctctgagcat accgcgctat catgagactc 120
 caaggaataa gatcatcttt cggcatttct tcaaaaaact gctgcgtctc agpaatctct 180

ccagacttgg ttaacaattc aagcagcaca gtgccaacat aaagatccct atcataacac 240
 gctttcaaag cacatccatg aacacttttc ccaacctcaa aattgttcgg tctaaacccc 300
 ataacctca tctggcagaa aagtagcaac gaatcttcat ggcagtaatt ctacgcatag 360
 caagccatca tcccagtcca agataccatg cccttacaac aaatcccatc ataaacttgg 420
 cacgcagcga taaca 435

<210> 34491
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34491

agcttgtctt gcaccttttg tggaatcctt taaccagaat acctttatct ttttcctaa 60
 attattaatg aataaattgc ttgttggttt gagattaaat gattgtttct ttttggccag 120
 tctcttaa at tttttctta ttgaattttt tcttttgggc atcattcagc tcacttttgg 180
 catcccaggc tcatagagga acttaattta atttgtttgt cagagtatag ttaagtttgc 240
 acctacatgt tttactttta atcttatgca ccttgatggg aattataact atttaatttg 300
 ctttatgggt atttcttatt gaaaattatt gtacattccc tttaacagct tatcatgtct 360
 tttcttaacg gtatattcat ttgttgctgg cctgcgatgt gngnggtgtat tctacgtgat 420
 ggaaattctt gtccatgatc t 441

<210> 34492
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34492

tgataatttc cacatctaaa atgggtggaac ttgaggtttg ccaagtgcta tcaattgcta 60
 gcttcgtgtt cttgctcatg gaagtgatag ggaaggtaga ggaattggtg aaagaggtgg 120
 aggagctcga agacattgct gggttttcgca ccaccacaac ttcattgtct tcgtagaacc 180
 catcttttga tacaatgata ttatgtaaaa accacttccc aattttgggt catgagttag 240
 aaatatgtgt tttcttggta ccaaaaaaaaa aaacacattt ttaattagaa atatgaattt 300

gagtgtatca tccaaagtat agtaattgag gtcagatgca attaggtatt taactgtgtt 360
 tgtattaatg aaaatganaa cattactgaa gtgtcataac cggtaaactg aacctagacg 420
 caacttttcc a 431

<210> 34493
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34493

agtttgggct aagcgagtca gtctcgctaa gcccaaagca atttagtttt ccgagttttt 60
 gttcatgcgc taagcgagtt agtctcgcta agcgcaattt cttctttatt tttgaattag 120
 gcttagtgag cttgctcgct aagccaatca tgttccagtg gtcaagtttg gctaaacgct 180
 tgctggcgct aagcctgtgt agtgtgtcgt gctaagcaag tcagtctcgc taagcgcaat 240
 tagctctctg tgagagaata aggcttagcg agccatgctc gcttagccat tgtgttcgct 300
 tagctaagcg agtatgtctc tcttagccag agtctatngt tttgtgttgt cgcgctaagc 360
 gcgccttgcg cgctaagctt gagctggtaa tttcataaag cacgctaagc gagatagtct 420
 cgct 424

<210> 34494
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34494

tgcttgtggg gcttctatga aggctggatc tttgagtctt aatgggggtcc tttaatgggtg 60
 attttcctcc atggagatgc agcggaagac aaaggagaag aggtgagagg aggtgccatc 120
 cactatggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataaaaa 180
 gcttggagag gatgcttcaa tggaggaaaa gaaagatgga gagaaagaga ggggggtggg 240
 ggagcacgaa attgaaggaa gaaaagaggg agagaagttg aactttgagt tgtgtctcac 300
 aagactctca ttcatcaaag ttacaacaag tgttacacat gcttctattt atagactang 360
 tagcttcctt gagaagtttt cttgagaaaa cttccttgag aagcttcttt gagaaaac 418

<210> 34495
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34495

ntgactttga gttgtcgagt ngcacnncac nngnaaccgg caccgcgcga agcagaccag 60
 ctagaangca actcttcgca tttcagttgt ttccccgcgc cacacaacaa gatcacactg 120
 tgttgaagat cagtcaacac acgacggcag aactgaggcc tgtatggtat acgatgcacg 180
 gctacacaat tgggcgcaaa aaccacaccc aacagatgtc tcattgatgc gctcgcgata 240
 aatactcccc atcgtaactc accactgttc aattgaacct ctcaacccat acagacctgg 300
 cctcaaaaag cacagatttc aagtcaccca atgccaatga catcgatgtc cagtacatgt 360
 aatcgattac cgaagcacac gaataagtgt aataagatac acataatact gacccgacta 420
 ccagagattc ccaacgctgg gactttaaat catcgctgcg tgacccttca cacacaccga 480
 atcacctaac tgggacacta tcagaatacc tcgccctctc catcatttca aacg 534

<210> 34496
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34496

agcttgaagt gatctctatt ctgatgtgtg tggtcctttt gaagtgaaat ctctaggagg 60
 taacagttac tttatgtcat tcattgatga atttactaga aaaatgtgga cctatctcat 120
 taagcagaaa agtgaagtgt ttaacatttt taagaagttt aagctgtcga gtgaaaaaca 180
 aagtgtagat gcaattggct ttgatgtttt gatgatgatc atgatgatgt gttgcaattg 240
 atgcaaattg gcttttcaag attaaaattc aagacaatac ttcaagatta caaggcacia 300
 catcaagatg atcactagaa tattangaag ggaattccta attgaattag caaaggtttg 360
 gccaaagtat ttacaataaa aagtgttttt cacagctttt actctctggt aatcgattac 420
 cagacgatgt aatc 434

<210> 34497
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34497

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 gagtccaaca agcatgcaat aggaatgcaa ggtgtggtat tgtattccaa atcaaaggat 120
 tcatctatgt tactcactca tggctcgagta aaacaatatc tgttgagtga aaatgtaatt 180
 caattgtcca agatataaac ttcttctctga aagcattgta tgaaggaaaa attagcaatc 240
 aaaaaatgaa gcattcttat aatctacatc tccatctggc atcaatgtgt taaaaagaaa 300
 tcatcacaac ttgataaaaa ctttataaca agagccccgc atatccactt tgtatatcac 360
 gtatatggta tataccaaaa gatcaaaatt aaacaaggaa acagtaatga anaaagtac 419

<210> 34498
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 34498

agcttttgagc caaaatccta actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
 ttaccctcgg aagcaaaaaa gaagagaagg aaaatttcca atcaaagaaa aaaaagagaa 120
 ggaaaatttc caatcaaaga gaaagcaaaa aaaggagaga aggaaaattt ccaatcaaag 180
 gaaaaaagag aggaaaggaa attcccaatc aaagagtggg agaaagagaa aagaaaagaa 240
 agataattcc caaccaaaaga gtgggagaaa gtaaaaggaa ggaaagacag ctctgatca 300
 aggatcgaaa gatatcagaa gacatgtgca aaaaggtctt tggaccggac aatatctgta 360
 caatacagaa ttgtcaccaa atgaac 386

<210> 34499
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34499

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tctttctcatc cctatattctc tttcaaccac ctgtacactt ccagcgatgt tgatttactg 120
 tggggcacac attacaaacc gaagtagaag acctcagcta gctttgtgtc aacctttgat 180
 agaaacctca ttcggtcagc tcgtgtgtag aacgctatgg actccaccat agtcttcctc 240
 t 241

<210> 34500
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34500

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 acatcacgcg ggctaccatc aaagcggcgc tagacgagcg tggttgcacc ggggagactc 120
 aacataggcg ttgcttacca cttacaaagc ttggaaggac gtctctaagg attcttcgac 180
 ggcttccaca tatggtgtag aagagggaca actcacaacg atgtcttctc ccccgagac 240
 tatgattagc tacccttcta ccacaaactt caatatttgg tggagcattg aagggactac 300
 cccgactgag tgaatccaag gccggcctan aaggcagcta taggccgggt tgatatccat 360
 cacttgaac atgatatgac agatgtgcgg tccaatctga attgggagat caatctcgcc 420
 ctttacgtct 430

<210> 34501
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34501

ttaaattggag ctacattagt tgtttcaactt tcattttcca atctaggtag gcctcaacat 60
 tatatttata tggaaatatg ggaggctaata gctaacctct tgagaccttt tatccttttc 120
 tcttttttgg gagcgaggctc ttgtatggaa cctatgcctc cctccatagt agtcacttaa 180
 ctcttcaactc aaacttttac aagtctcatg actaccatag gaagcatttc tgctctctct 240
 taattctttc attaatcttc ttctttcttc ctctcttatt ttctctcttt catcttgtct 300
 tattttcttc actcttttgt taccttttct tttctctctt gtttttcttt ccacaactta 360

agggatctca actcatctaa tatcttatac aaggggtcct tangagtaga accctcacca 420
ttaatgc 427

<210> 34502
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34502

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gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaacaag gctcattttg 120
cttcaagatt aatacaagat tttttcaaca aacaaagcct tgattcaata tttcttcaag 180
atcaagcctt gcctcaaaat gtagagattt caagtcatcc aaggcacatg taatcgatta 240
ccaatacatg taatcgatta ccaaggcaca tgaaagtgtg taatcgatta cacatcatat 300
gtaatcgatt accagagact ctgaacgttg ggaattcana ttataactgt gtaatcgatt 360
acacaaacat tgtaatcgat taccagtggg aagttttcag aaaatctgcc aacagtcaca 420
tcttttca 428

<210> 34503
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34503

tgtctcagcg gtnatgcgag tattagacct acatgctagc tatcatcgcc aagtaccaag 60
aagagttagg tctagccgcg gccacgagc ataggattgc ggacgaatat gcccaagtat 120
acgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180
ggatggaccg gtttgcctctt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
aggccaaggc gatggcagac acctactcca cccccgaaga gattcatggg cttctcggct 300
attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gacacttgta 360
tgggtctctca gaccttgact agatacgact tcccttttga aatanaatga gttg 414

<210> 34504
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 34504

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 aagcccaaca gaatgatgcc aagaccgact caacacgcgc aagaacaaga acaacctcaa 120
 gcttcatgac aagaaatcaa gacgttggat atcaagactc acgagacgac gaactcaaga 180
 atcaggagaa tacatcaaga agactccacc agggacgtac cgaaaaaaat cctcaaaaaa 240
 caaacatagc acagctccgc gtctaaaacc gggcccacac aattgactaa ggtactagac 300
 gactcactct ctgggaaacg aataccatcg acctggaatc gactaccacg ggccaagctt 360
 gaggcccaaa gcttctaacc gaacgggcaa tggctcacta cgacgttaac gggcgccacc 420
 gaccccg 427

<210> 34505
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 34505

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 cgagagatga ggctccaag ctccaacaat gttcgactgg tcgcagcgaa ggacaccatc 120
 atacatgcca tcaagatcat ttttcttgtc tgaataatac cttgttgatg cttacagggc 180
 tggctctgcag gaagaatatg ctggccaagt ctgtttattc aagccaaaaa tcatgacata 240
 agctcggcac atatacaaga tatcacactg caatggaagg ctgagaggaa tatgttgact 300
 aacaacacga gttacatggc tgctgacaat gttaacatag cagcaagtac acaagatcag 360
 tggaagt 367

<210> 34506
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34506

tctattatta acagtttagt tctagtgcac tgaactttgt ttattagcag tttgattaat 60

aaaacttaaa acagtttagg tttagttttt tataaaataa ttcagttttt aatagtttaa 120
 ttcatttttg tattaaagta gttcacagat caaaataatt ttttggacac ccctaaatac 180
 tttccatttg ataatggcat aatatatggg agaatttaca taactcatga atgatactta 240
 ctaggcctac tgcaatgtca aggtgatact tgcgtcctgt agtgtgcact gctccaccac 300
 gactagaagt cgggttaaaa ttatcattta tcacatcacc tactaggaat ttagaagaca 360
 ctcagtataa atgctaaaag aggaagttaa atgatatgaa gataacaaat tagatgatct 420
 aaaacgaagc a 431

<210> 34507
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34507

gtntttnttt ttttttttac ttttaaaagn tccttctttg aagttttttt ttaaattggaa 60
 aacaaaacaa aagaaaaaaa ataatgaaa atttttgtaa aaaagaaact tataacttca 120
 aaatactaag attaaaaata atatatatat atatatatat atatatatat atatatatat 180
 atatatatat atatatatat ttgaagtagt aaataaataa aaaattaaat tgaagttgta 240
 aaaattttat aacttttagt aaaaaaaaat aataataaat tataatagat gttaaattctt 300
 ttaactcaca ctttataata ctatttcatt ttctataata attttagaat caatcctaaa 360
 taaaaaaatt acaccgtct aatataattg aacagagagg gttcaccttt ctctcactct 420
 gtttcacaa 429

<210> 34508
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34508

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 agtggatggg gcctcttctc acctcttttc ctttgtcttc cgctgaatct ccatgggtgaa 120
 aaatcaccat tgaatgaagc tcaaagatcc agcctccata gaagcttcac aagcaagctt 180

ccatcacttt ctctccctct cctccactc atcttctctt accttcaagc tcttaccat 240
 ggcttcctat gttggtgagc tntttcttga ctcatctttt ccttgaagtg gcgtctccaa 300
 tcatctttct tccatctcca ttctgctacc gttaaacttc aagaagcaag ggactccatt 360
 gatgaagatg atccaaggcc tatatgctcc acattgagtt acattacgaa atatacttgt 420
 ttgacaatgt agacaattac 440

<210> 34509
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34509
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 tctccttggc cattttgagc tataggcttc tcttcttctt ttaaactctt tttcattatg 120
 caattccagt tctaagattt cgttttagca ataaaaattc gttctctatt gattaatgga 180
 aggctaagtc tccagcgtcg ttttctcttg aggatcaaac acaattctct ttgaggctct 240
 attattacta ttaaattctg ctcaagtttt cctcttcacc aattactctg tatatgttgc 300
 tatgaattca tgcattgctta gagcttgatg aattgtctat gcaacttaatt tacgttcatg 360
 cttaatgatc gttcatgatt aattggtgta tgtgttgctt aatcacataa tgaatgcctt 420
 atgttaaatt t 431

<210> 34510
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34510

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 aatctccata ggaaagacat ttttaaattc ctgcaataag ggttgaacac taggagaaat 120
 agaaatagta aactcattag aattatgagt agaaatttta ctgtctttgc aatactgtag 180
 attgagtggc tcatgagcag gtaacatttt cctcacttca ctgcctctg caaaataatt 240
 aacttttctc tcatgtgtat cactctcttc ctcggttgta tcaactcttc tcatattcct 300

ttgtggcgcc tcactatittt ctttctcttg atctctctct tctctcattc tgatttgagc 360
atcacacact tctctaggng atagatgttt aagagt 396

<210> 34511
<211> 426
<212> DNA
<213> Glycine max

<400> 34511

tcagaattca atttcgagcg tctcaataga ttacggttac tcaatcagac attcgagcaa 60
aacattattg tcgtttgaat tagctcagag cttcagaatt caatttcgat cgtctcgata 120
tattacgggt ctcaatcaga catctgagta aaaaagttat tatcgttcga atttgctgag 180
agcttcaaca ttcaatttcg agcgtctcga tgttttatgg gacttaatca gacatccgag 240
taaaaagtta ttgccgtttg aatttgctga gagcttcaac attcaatttc gagcatctcg 300
atatattacg ggactcaatc agacatccga gtaaaaagtt atcgtcgttt gaatttggtc 360
agagcttcaa cattcaattt ggagcgtata catatattac gggactcaat cagacatccg 420
agtaaa 426

<210> 34512
<211> 267
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34512

agatgncagt tattcttaga ccacagcacg acccatthaac cttgaagcaa aacacctcac 60
tgccattaac ctatggaatt aacaaaaacc tatcggtcga gtgtaactga aattgaggta 120
acaaaaagtc accccaaca gtcaacaact cagccaccat ttggtctcct aaaaagctga 180
tgccatangtt gccaatggg ccttcattac aacttgatca caacctaaact aaagcccttc 240
tacttgatta accacacaca tattctt 267

<210> 34513
<211> 283
<212> DNA
<213> Glycine max

<400> 34513

tccgaacccg gaacataaga tagcgcgacg ctcgatatag tacaacggac gtgctcaaga 60
aattccaaag gtcataactt ttactgaga ggtccaaata tgcaacataa tacatcgaga 120
ccctcgaaat tgaacaacgg aagctctcca gaaaaacgaa tggtcataac tctgcacttg 180
gatgttagaa tttggaacat aatatatcga gacactcgta atagatcaac ggacgctctc 240
agaaattcaa atggtcataa cttctccac ggatgtctga atc 283

<210> 34514
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34514

agcttgcttt tgcagtaaag catgaaagac atgcacaaag tgtgactata tgatgtggca 60
ataggggtgta gtaagcaaat gtcacactcc ccctctaaaa tttaattgga ttgggcttct 120
accaattcaa ttaaatttat ttcccaacac acatatcaaa tattcaactta gtgcatgtga 180
aattacaaaa ctacccttaa tacaaaaact agtctatgtg ccctaaaata caagagctga 240
aaaatcctat atttctaggg taccctacct acattatgga gccctaaata caaggaccaa 300
atataatgac atcctagtct aatatgtata aagataattg gactcaacct tggcctgtgg 360
gctcagacat ctaccctgag gatcatgaga accctanggt cttcttcacc agctatagcc 420
caatcctctt gg 432

<210> 34515
<211> 425
<212> DNA
<213> Glycine max
<400> 34515

ggacctataa aactcagctt gaggtaatat tcttattcgg attatggtta tagtttttgc 60
aatcatcgga gtcaaggctt atgctgcagg tttgtatcta gatcaatctg tcaccagga 120
attgaatgct tggaaagggc aatcaaaaga tgctattcaa gggaattctt cttgttctga 180
gaccattttc caatgtaaca actttatatt cagtttttta tttctacaat gctctttgca 240
aagaggcatg ctcagaataa tttgataaac atatatgcct ttatatgatt gcagcttctt 300

ttgagaaatc attgcaaatt gttcttgtca gagatgttga tggtaaaact ttttgcgatg 360
 ccttaagtga tgccatatca ccaagaattc cacaaccac aactacagat gaaactgctt 420
 tgacc 425

<210> 34516
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 34516

agcttgacat cttttgatat atcatacaat cagtttgagg gtccacttcc aaacattcta 60
 gccctccaaa atacttcaat tgaagcattg agaaataata aaggcttgtg tggcaatgac 120
 actggcttgg agccttgcac aacatcaact gcgaagaaat ctcatagtca tatgacaaag 180
 aaagtcttaa tatcagtttt accccttagt ttggtcattc taatgcttgc attatctgtt 240
 ttcggagtct ggtatcattt acgccaaaat tcaaagaaaa aacaagacca cgctacagat 300
 ttactatctc caaggagtcc aaacttatta ttaccaacgt ggagtttgag tggcaaatg 360
 atgttcgaga atattatcga agccacacaa tatgttgacg acaaatatct tatt 414

<210> 34517
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34517

tatcataatc gattacatag ttgtttttgt gacaattatt gatttattta ggagtctctg 60
 ttttaattga ttaccatgtc atataatcga ttacttttct ttttataagt gtttcagaag 120
 taaacaagaa cactttaatc gattttcttg agtatcta atcgattacatt gttcttgagt 180
 tgtttctagt tttttggaag aacactacaa ttgattgaaa gataatataa tcaattactt 240
 cattgaatta attaattacc ttgtagattt aattgattac aggcggttat aactgttttc 300
 totataaata accacattgt gttctctcta ataacataac attttgagct tctgaaagag 360
 ctatgatcac gtgttggttat tagttaaaga aagaagagaa gaaaagtgct tagtcataac 420
 ttc 423

<210> 34518

<211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34518

agtttgata aaattgaaac gacaaaaatt tttatctaag atttcgaat aaattccgta 60
 gtatatcgag acgctcgaaa ttcaaaataa acctctcagc aaaatgaaac gacaataact 120
 ttttactcga atgtccgaat gaatcccga atatatcgag acgctcgtaa ctgaaaacag 180
 aagctctgag caaattcaaa agataataac tttttactcg tacgtccgat tgtttctgt 240
 agtatatcga gaccctcgta attgaaacca gaagcccgta gcaaactcaa acggcaataa 300
 atttttactc ggatgcccgat atgaatccca taatatatcg aggcgatcgt aattganaac 360
 agaagctatg agcaaattca aacgacaata actntntact cggatgtccg aatgaatacc 420
 atntaaatcg gat 433

<210> 34519
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 34519

tctggtatca attacgagcg tctcgatata ctactgttac ataatcggac atccgagtaa 60
 aaagttatta tcgtttgatt aggctaagag cttgtgtttt gaatttcgag cgtcttgata 120
 tattacagga ctcaatcaga aatccgattt aaatggatt cattcggaca tccgagtaaa 180
 aagttattgt cgtttgaatt tgctcatagc ttctgttttc aattacgatc gctcgatat 240
 attatgggat tcattcgggc atccgagtaa aaatttattg ccgtttgagt ttgctacggg 300
 cttctggttt caattacgag ggtctcgata tactacagga aacaatcgga cgtacgagta 360
 acaagttatt atcttttgaa gttgctcaga gcttctgttc tcagttacga gcgtctcgat 420
 atattacgg 429

<210> 34520
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 34520

agcttattat tttgtcggct gctgatctgc atattagcta cccagtaaca ccctatTTTT 60
 tgtaaaataa ataaggatgc atagttctat taattaaaat aatgggtctta atgtaataa 120
 aataaatatg tttttacaaa ataaaaaaga tgtcttggtt atttatttca atacggagta 180
 aaataaagct ctctttcaaa attgctctcc cttcttcata tccaaaaact ctctctttct 240
 accgcataca cgcaaatcta tcgcaataaa actatgatcc tagacttgcc aaccattgaa 300
 tcctcctgaa atatggacac caccttcata actcattatt gcacattcct attgttgcca 360
 tttgccaaat aatgtctgt 379

<210> 34521
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34521

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 ccaagagggg ggtgggggtg aattgggttc taaatcataa tagactttta aaaaccagag 120
 gaaacaaaac ttcttttcca aggatcgtat cacaaaattt tgataaacca atatttaatc 180
 aatcaccctt tacacaaaat cctttgttaa agtttgtcat accctaattt cgtccgggga 240
 cctttgcttg atgacatgag acctttcttt ggtccttggt aggtgcttgg taccatcat 300
 tacgcaattt gtgaaattcc aggacatgcc gaaaaacaca aataaatatt gatgcacaat 360
 ccgtatgtat ccgtgacaca ccggaaatca aatggaagca tcgttgcatc attaagtgag 420
 gggttcataac 430

<210> 34522
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34522

tcaagtttgg agaggatgct tcaatggagg caaaaaaaga gggagagaaa gaaagagggg 60
 ggagcatgaa attgaaggaa gaaaaagggg gagaagttga actttgagtt gtgtctcaca 120
 agactctcat tcacaaagt tacaacaagt gttacacatg tttctattta tagactaggt 180

caccatgggtt ctcactttca gtagcatcgt gcaaccata aatgaatatt actaaatttc 420
cttttcacac attaatccca ctatgcatcg gcat 454

<210> 34525
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34525

taatcatagg aaacaaaatc aatccattgt gtaagttacg tgtagaggct tgctttttat 60
gcttctctgt tgtttgtttg cgaattttta taaatnttct aaacatctaa tattttgtta 120
attcaattca agtagatatt aaagtaacta tcattccaaa caacaaagtt ttggctaaag 180
gataatgtac ccttggcgca cgcagttcaa ttaaatccta ttaaaatatac tttatggaaa 240
tttaattggt gaatagacat ttttgtaaat tcattacagc aaatattttt attttttaat 300
aaaggttggt gcaatgtcaa gattggagta cacgcaaaat tacttgtgag aaaagataat 360
cggaaaaatc atagcaatag ccaataagaa gataagcaac gtcagtacat cagctc 416

<210> 34526
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34526

agtttgtcat tgaattattn gattncaggc cagggataat ttccattaac ttggacctta 60
agaggggtgc aagtggcagg ttcttgaaga ctgctgctta tggccacttt ggaagagatg 120
accagactt cacatgggag gtggtcaagc ctctaaagtg ggaataatgc catgaataaa 180
gctgattgcc aagaaactat gtttgatctt atatgctttc atacctaaaga tccgtgatat 240
gattttgcct tagcttttgt atctttataa ataaataaaa catatatatg tcgagttgag 300
tatatgaaca tacaaaggaa gctgcatagc agcatcaatg tactattgga agttaatggt 360
tgagatatat cgtttacgat cgctatccat tatccattat gtttcctctc aattgctgag 420
agtcttagag aatcttga 438

<210> 34527

<400> 34529

ntgaggatatt ggtctttgcc agtgaaaagga tcgatgtggg tcttttataaa ggaaaattta 60
gtcatcctgc ttggacgaat gagaaaactg gggcaaataga agagggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac ggccaagtatt ccaccaacc caacaatgtc 180
attactcagc caataacaaa cctcctcctt acccaccgcc cagttatcca caaaggccat 240
ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc accttttagca 300
caaaccacaaa aacaccaaca aaaaggaatt ttgcagcaaa aagcctgtag ggttcacccc 360
aaattccgtt gtcatatgct cgaacgcaac gtgtgcttat aatggaggag ccccggtgca 420
ttccattgag cat 433

<210> 34530

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34530

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aactacccat catatctccc aaagacccaa taccacagaa tttcatgtga gaagaagtcc 120
accatacct gaaattcgaa gtcccacaac gtagaggtgc gcttcacgac ttcgaaaatg 180
gcttcctttt gcaatttggg gtagaagtga tgagcaaagt ttggagcttt aatgggcaac 240
aatggtggag gagaaaggga gaagaaaagc aacgtgggag atgaggaaaa agcttctgaa 300
aatctgctga gcgaagtgag agagtgtggc tntttataaaa aaaaactttc tttttcctat 360
tgttttatatt cttaacagca cttgccactt gtcccattgt gagtggaaca aanaggggcc 420
cacttttctc tcgatgtga 439

<210> 34531

<211> 363

<212> DNA

<213> Glycine max

<400> 34531

gggagggcga cgcgagactc acgggtgcgt cttccaagaa aggaaaatgc atggagtcgc 60
caccaacgtt tatttgggga aaacatccga aaaaccgaaa aagacgtggt ctacaaactt 120

taagtgtgag gctcgagagt tgtatttacg cacggggaag gtattatcac ctgttagaca 180
 agtggcctca gatattctta gaaggggggg ttgaattaag atattccaaa ctgtttcccc 240
 taattaaaaa tctattttat tttttactca agttataaat tcccttaatg acaatcttct 300
 taaatattaa ttcaaatgaa gcaacttgaa tatgattata tagcaataat atatatagga 360
 gat 363

<210> 34532
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34532

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 cgaaacagct caagttgttg ggcttcctga aactcgtgat gaccggacat ggggaggtaa 120
 ggggtacacga agatacaatg ttgtaacaat gattcgacaa aatgtcttac aagtgcattg 180
 gtatatctcg aataacacat aagaggttct tccttacata cacactcaca aaaagtatct 240
 gacagctatt caccacaaaa tgaacatgat gaaagtgttg cacgagcata atagaacttt 300
 catacatcgg ttaaagacat aatcttctct gatga 335

<210> 34533
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 34533

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 catatacact actatatcga tcagaaagta tgagcatata tgtatgcgta ttcaaccacg 120
 ataatattta aaaaggaaat caaataacag aacaaggaaa cgaatggata gagtataatc 180
 atggtgagac ttgacgtgg tgtgatttta aggagtctag attatggaat tattaacaca 240
 agattcttag catgcagtta tatttgagga ttacttgtca tcatggatag aatgtgattg 300
 gataatcata gaagacttat attttttata catttaatac cgatagctga cgctgtctat 360
 cttaaactct taatacaatc acggatatat aaataaacia atacgtacac ttatagtata 420

tattggccaa caca

434

<210> 34534
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34534

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atttgatcat cctactagga cgactgagaa aactggggca aatgaagagg gtgagaaaga 120
gggagaaacc catgctgtga ctgccattcc tatacggcca agtttcccac caaccaaca 180
atgtcattac tcagccaata acaaacctcc tccttaccga ccaccagtt atccacaaag 240
gccatcccta aatctaccac aaagtctgtc taccgcactt cccatgacga acaccacctt 300
tagcacaaac canaaacatc aaccaagaag tgaatcttgc agcgagaaag cctgtataat 360
tcacccaat tccagtgtcc tatgccaac ttgatcccat atctacatga taattcaat 419

<210> 34535
<211> 430
<212> DNA
<213> Glycine max

<400> 34535

tgacactatg aaactcagct agcatacaaa ttatccctta actgggctta ggtacttgat 60
tgagacttgg gttcctagga aaaaaagcta taatatttca acttgggtctt agcctttatg 120
caatgggaat aggttgaagt tctaggcata aacaaattca gtttgatcac catggacttg 180
tttagtctag acaataagaa cttcttcaaa tagtggaggt tgagttgctt aattttgttt 240
tataggtagc actcattttg ttagttttaga tatgacatgt ttagtcttaa aggttgtaga 300
acttcttctc ctattaaagg aaagaatggt ctgatcatca ttttttctta gtggaccaac 360
attagtttgt gtaaccactt gatcttcctt cataataatt tatttaaact taatctttaa 420
tgatctcttt 430

<210> 34536
<211> 436
<212> DNA
<213> Glycine max

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 ggtaggggga agactgactc tatcttgttt aggtcaactag ctgacctgat ttctaccatc 120
 aggtgtttac gtagttcacc tgtaccatct ccttcaacgt ggcaacttat aattgtcatt 180
 tccggctcct caaaaactat aaaatccaat cccttgatat cctcagttcc aacctgtgaa 240
 catcaaccca agcttacaac agagcagaac attgacagca aatctaaagc agatagctac 300
 cgggaactaa ccttgacagc aatagaatct ggagatgcac gctctatatt agaactgccc 360
 acgtcccttt tagccacttt aacaacatag tcagtatcag gcagtagtcc tctcagacga 420
 taat 424

<210> 34544
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 34544
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 taaatacttt tctcttgtc tttatatgtg agttttatct ttttcaactct ttacatttga 120
 ttcatatttt taaattgaat gtcaattttt ttcaaaaaat ataccaataa taaaaaataa 180
 tcttgtatca agatataaat gtttatgtaa atctaaaatt aaaatattta tttactgtat 240
 attaaaatta aaatatattt atttgttgaa ttctttttat caacctgtct a 291

<210> 34545
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34545

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 gatcattttt ttttggcaaa aatttaaagt ccccttgtc atgcttgtgt atttccttaa 120
 ttccaaggat tgcaaataaa ctaggcatat tcgaatgtaa cttaagaaaa tagatgaaaa 180
 ataagaagca gaaattttta aggtactagg ctgcctccta gtagcgcttc tttaacgtct 240
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 cctaagcttt tgaatacaag aaatgacaac atgcagtana tgcaaaacaa catcacaaaa 360

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<210> 34546
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34546

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 tatagcctct ggtaatcgat taccaagggt gggtaatcga ttacaaggct tanaaatgaa 360
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 gcctaaaaat gggat 435

<210> 34547
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34547

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 gccattgaa ggcaaccatt aggtcctttc aggaacggac ccggaaagggt tccatattag 360
 tataccaggt gacagctgtc ccagtaagac tttcctggaa gaatgcataa acaatntttc 420
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<210> 34548
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34548

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 <213> Glycine max

<223> unsure at all n locations
 <400> 34549

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gggtcctcct ctatatccat aaccacgaaa tctgcaggaa atacaagctg cttgacttga 180
ataaacacat cctcaatcac tccatacggc ctagtaatgg agcgatcagc caactggagg 240
gttatacatg tgggcattat ctctatctct ccaagtcgcc agcacatgga tagaggcatt 300
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 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 tgttntgggc agagttttct gcctttgcc tntttcttg gctgtgatag ttagtgctgg 420
 ttgaatattg tttacct 438

<210> 34553
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34553

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 caaaaaagat ggaagaagtg gataaggaga tcttggagac cttcaggaaa gtagaggtga 240
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 tgtgcacca caaaaggaag ctcataggca atggaaggat tagcatgggc agaaatgtgt 360
 caacatggat aggtaaatct gttcctcaca ttcctgagaa atgtaaggac ccagggtactt 420
 tctgtatacc ttgcatta 438

<210> 34554
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34554

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agaggctnga accacaacaa ggatgtccag cttanacgat gttaaataag cgctcttggg 360
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ttgtgtaata tcta 434

<210> 34555
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34555

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attgaaaaaa tagatgttgg gataaattta tctcactttt taaaagaga taaaatttta 360
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<210> 34556
<211> 412
<212> DNA
<213> Glycine max
<400> 34556

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ccgctaagcg cgtggatttg aattctaaaa actcaaaagt cattgagtgc tcgcttagca 360
agtgaccggc gcttagcgag gcagtcgaaa ctgccaaaaa taaagcttaa ct 412

<210> 34557

<211> 422
<212> DNA
<213> Glycine max

<400> 34557

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gatgtctaata catgaaccgc aagaactttc caccgcctac cccaaaagtg cttttttcca 180
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tgatatgttg tttgaagatc cggctctatca gtcttttagta tgggggtgcct acattttttc 360
ggccaaaggg catgacccta tagcagaagt tagcatccac aggtatgaat gtcattttct 420
ct 422

<210> 34558
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34558

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act 363

<210> 34559
<211> 359
<212> DNA
<213> Glycine max

<400> 34559

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ctaggcgctt tcgtaacgct ttcgtgacgt ttacgtgggt gatttcgcga tgatattcaa 180
ccgttcttcg tcattcttta ttcgttcttc gtcgttcttc ggtcttcaat cggaagagtt 240
ccgaaatcga acttttcaat tcattctatg tacccttagt gtgccccact tgttacgcgt 300
gcttttattt tcatttcatt gacttttcgt acccgctttt gatgtgctct agtcattta 359

<210> 34560
<211> 416
<212> DNA
<213> Glycine max
<400> 34560

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tggcgcatth ggaggtagaa acggagggca tcaagggggt gggagcagcg gatgagggcg 120
gtgtagtcga cggagtcctt gtgcgagtgg gggattcggc caaacagttt gcgggcgtgg 180
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gaggcgcggg cgcattgtcg gagaagagaa cggaatatga gagcacactg ctgttgtgtg 360
gtgtgtgacc atctcatacc ataatatgat atgattattt gagttacgat aaatag 416

<210> 34561
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34561

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caatcttctc attagatagt cattgagaag tgaatagaat gaaatgcac ttatttggtt 240
atttaatttc acctttttca ataactaaaa tatgtataat gttttctaac tcccgttcta 300
tctttaaaat gtatcctact cgaactagtt ccctgggcat ttattatatg ggtatttaca 360

<210> 34564
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34564

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 tctttgggca tattctatga aagatccgtg cccctttttt gcacatgttc ttagttgca 180
 tcctatccgg agccatatca naattgtact gacactgcct aatgacggcg accattatgt 240
 cgttccaaga atggaatcac gaacgttcct aagttactat accaggtgac agttgtccca 300
 ataagacttt cttggatgac atgtatcact agtctctcat cttttgcat tgcacacatc 360
 ttttgacaac acatc 375

<210> 34565
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34565

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 gaagcatcgg agcataatta aatgaggttc cgtaacattc cgtaagtcaa aaggggggatg 240
 attatgtaat ccgcaagggt tcgtaacatt acggaaagaa aacaagtatc gtcacgaaat 300
 tctaagtttc cgtaacttta cgagaacaga atcacctcat aacagcagag ggggtgcact 360
 tattaaaaat gggggtgcaa atagcaccca ggcc 394

<210> 34566
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 34566

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 cacagtctct tocaagctcg gatacgtga caacaacact gaaactactc aagcaagcca 360
 tcaagagaac acacaacat caacaatctc 390

<210> 34567
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 34567
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 gtgtcgggtca tggatccttg atgaagtgtg ctgaat 396

<210> 34568
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34568
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 gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca acaaccccag 240
 aaacagccaa tagttgaggt ccttccacaa ccttccctcg aagaacttgt gaggcgaatg 300
 actatgcaga acatgcagct tcagcaagag accatagcct ccattcacag cttaccaat 360

cagatgggac aattggctac ccaattgaat caacgacagt cccagaattc tgactagctg 420
ccttctcaag ctg 433

<210> 34569
<211> 419
<212> DNA
<213> Glycine max

<400> 34569
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ggcatcaaat tgatactggc tcccagggtca ataagagctt ttcctacatt gacttctcca 360
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<210> 34570
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34570

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tgaaatttat caactaaaat atgctagtaa ataatacatt cttgctttga ttttttagcag 180
agatccacat atgatgaatc tttgaatatt tgcagtgaac taaatgatac tgttattgag 240
gcacaactaa ggacaagaca agttccacct cggcttccaa ccaagactgc aattgaaagt 300
tatcagcagt caactaatcg actgctcatt ntgggtatgct gtctcacaat gaagctcgag 360
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caggatactg cttcatttct 440

<210> 34571
<211> 430

<212> DNA
<213> Glycine max

<400> 34571

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gattaagaac actttaattg attacatcaa gaatctaata gatttcattg ttcttgatag 180
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tgtatatTTta attgattaaa gatgggttata actgTTTTct ctataaatag ccaccttgTg 300
ttctcacttc taataagttc taacaacttt tgaatgagct agaattacga gctgataata 360
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tttgattatg 430

<210> 34572
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34572

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cattcacct tcaagttag acacattttc caaaaattgc gtatgatcaa tgaatgtttt 360
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<210> 34573
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34573

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ttaatgatgc ccccaaagca ccagagtttc ttggccgcat ttttgccaaa gctataacag 240
agcatgtagt ctctttgaaa gagattgggc ggtaataaca tgaggggtgga gaggaaccgg 300
ngagcctctt agaagctgga cttgcagctg atgttcttgg aagcaccttg gaggtaataa 360
aaatggagaa cgggtgatngc tgtttgagtg agatctgcac ga 402

<210> 34574
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34574

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ntcatgttgc atattgttta ttaacaaaaa attcaaattt agtaacaata aaacgtaatt 360
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<210> 34575
<211> 422
<212> DNA
<213> Glycine max
<400> 34575

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ttgaatcaat tgacaaaata tatcataaga tataagtctc aaagttcata aatagagaga 180
gccacacggt caaaataagc aaactaacca tgactgcaga acaaatatt gaaataaata 240
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 at 422

<210> 34576
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 34576

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 agcccctacg gcttgggtggg agatactgac taaatccctt ctacaaatgg acttcactac 180
 atgaaagggg catactactc gtcttctatc agacaaccac atcagatcat attcggggcat 240
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<210> 34577
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34577

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 gtctagtggg gaactgacag gttgttcaaa cttagtgggt tgttgtttca attgtgaatt 240
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<210> 34578
 <211> 402

<212> DNA
<213> Glycine max

<400> 34578

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tgtctttggg tggctaattgt aagggtgagag cagagagctt ttacttgtgc actaagtaga 180
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cggttttggc atgatggccc tttgggggtt atactgtgta attatcttac acagtgtaat 360
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<210> 34579
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34579

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tgaattcttt ttgtgtctct cttctccctt ttccaaaaga acgaaggact aacctcctga 180
attcttttgt gtctcccttc tcccttttca aagaattcaa aatgacacag tctgagaatt 240
cttttgattc ttccctttcc cttaaacaaa agatttcaaa ggactaaccg cctgagatat 300
cttttgtttc ctcttcacan aagttcaaag gactaaccgc ctaagaactn tgtcttaaca 360
cattagaagg tacatacttt gtggtacaag tagaggggtac atctac 406

<210> 34580
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34580

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agcatcatat cctcccatcc gggagccgac catgcctcat cccatagtgg ttggaagcac 180
 ttaagtcatg acagtggatg aagggtctct aatccgagct ctaaccgtct accaagccag 240
 cctggatggg gaatttgaca tagatccgca agacgacacc tctgacagag gcctaaaacc 300
 catcaaagag cttgtacagc tgtaactcag acctagaccg gngtagtgca ctcggccttag 360
 tagggacctc actagttatg agcaccagcg catcgccgac atggctatgc aaaatgcata 420
 tttattttt 428

<210> 34581
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 34581

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 atgcagtaac taggaagtga tcttaggtcg tttcccaatg agcaatgaca aaccaaattg 180
 tcataatata cttgcgcagt aacagtaacg attggggggg ggggtttgttt gttttgtgat 240
 taaagagcac aacaagtaaa ctggaatatg aaactactaa tattaataaac ggcgtgttac 300
 ctctg 305

<210> 34582
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34582

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 atctagtagt tgtgtgggtt gtggtctcaa cccatctatg aacatattca attggattgg 180
 ctctgaaaac ccatgggtgg gagttcttct caataaacct ctgaacctct ccaatgcttc 240
 actcaaagat tcatcagga actgatgaaa tgaagatatt gcagctttcc cttccacagt 300
 cttggactct ggcaagtatt tctttaggaa ctnttcaaca acctcttccc aggttttttag 360

actgttacct ttagaggagt gaagccacct cttggcctct cctgccaatg agaattgagaa 420
taggcccagag 429

<210> 34583
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34583

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ccagatgaca acaattctct gaccaacttc tctatttctt ccttctggta atgtggatac 120
ttataagggtc tcaaattacg aatttgagcc gcaggtttgg tgataatcac atgatcttgt 180
ctcctcatgt gtggcagccc ttgtggggtc tgaaaaactg acgtgtatgc ctccaacacc 240
tcttgaacat attgtggaat agtgatttgt tcttcagaat gctcaacctg attgcactct 300
aaaataaagc caaggccttg atcttgtaag gcccttggga tgagcttaat agaagccgat 360
gccttgatca ttnttggatc tgccttcagc actgtagtct ctccttgtac cttcagcact 420
gtagtc 426

<210> 34584
<211> 420
<212> DNA
<213> Glycine max

<400> 34584

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atgttcatgt aaattacaaa aacatttaaa agatttgaat acagctcatg cagcctcttt 120
gcaagctctt tatctgaact ctgaagaatg atcaatggac ataaaaactga ttaatactgt 180
gaactattaa ggagttactg tagcattgctg catgctcagc aaagctatca agtaaaaaga 240
ttgaaaatac aaagacagca ttgtatgtgc ataagaacta taggatttct taatagaaag 300
gtacatcaga taaaatcaga ttaaaggaag gttcttgttt ggcattaccg attgagtcac 360
ccggaggcaa gggttcctaatt tattctttgt tgaaagggtga tgaactcttt ggatatttga 420

<210> 34585
<211> 324

<212> DNA
<213> Glycine max

<400> 34585

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catatgcagg gagcatatga ctaagatgtg gtcctgtgtc tctggagact tcatggatat 120
gtgtattggg atgtgaaaat gtgtttcttg ccattgctcc ttttttagca tcgttgattg 180
tgttgaccaa ctcatagcac atattgttca cctttatcga gttgtatatg ttcatatgga 240
tattctcacg agccatgagt tgctctgatg ttgcatacca ttatcgtatg atggactgct 300
gcgacaccct ctaccctga cata 324

<210> 34586
<211> 418
<212> DNA
<213> Glycine max

<400> 34586

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caagagaaga taaagaacac acattttccc ctttttcagg atatatacac agttgtcata 120
tttgtttcta atgaagccat atctgatcaa gaactcatca aatttcaggt accacattcg 180
aggactttgc ttcagtccat acaaataatt tttcagcaag cacaccttgt tctccccttc 240
ttcaaaaacct tctggctggg tcatgtaaat ggtttccttt agatttccat ggagaaaagc 300
tgtttaacat ccagctgttc aagttccaaa tcatactgat ttaccagacc aagtatgatt 360
ctaaatgagc aatgcttcac aactgggtgaa aaaatctcat tgaatcaatc cttcacct 418

<210> 34587
<211> 435
<212> DNA
<213> Glycine max

<400> 34587

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gaaaaaagtt attgtcgttt gaattagctc agaagttcaa cattcaattt cgagcgtctc 120
gatatgttac gggactcaat cagacatccg agtaaaaagt cattgtcgtt tgtattggct 180
cagagcttca acattcaatt tcgagcgtct cgatatatta cgagcctcaa tcaaacaatcc 240

gacatttctca cattg

375

<210> 34590
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34590

agcttttagt tataattccc aagggtgtca tatctctctt gatggtttct agaggtatca 60
tccccttcga caaacatatt gcagcagtag ggactaccag caactatatg ttatcaaaga 120
gaaaaactct agatgaggggt tcattgttat caagcaagtc agagaccag catgaccaca 180
gattcacctc aactccttat gttcccatgg acccggtat agggccctt ttcaattcac 240
cgtgtgtgca aaaaaggtgt tgggtgtgtg tgcacaaat gaatgcatat ttatcacatg 300
catacattan aacacgctta nagcatcgaa gaagtttata caagaacata taggaaaagg 360
gaaaccgatg atagggaaaa cacaactttt gcacaaaaga ataataggcc taactctcta 420
anaacag 427

<210> 34591
<211> 427
<212> DNA
<213> Glycine max

<400> 34591

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atggcgctc ctctcacctc ttctccttg tcttccactg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atgcaacctc catagaagcc ccacaagcaa 180
gcttccatca agtggtaatc agagcacaag agcttcaagt aggtgctcct taaacctcca 240
ttaatttttt gctttacctt ctcttcatt gttgtttctt cattttttct ccatgtatct 300
cctcacatgt cttgtgataa atgtttttta catgattctt tagagtttcc accgattaaa 360
cttgctatag aagctagatt tgattttcta tggttcaaat ttcttgttct tgttggtgaa 420
ccatgaa 427

<210> 34592
<211> 439

<212> DNA
 <213> Glycine max

<400> 34592

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ttcttggtac ataatctgag aaattttaaag acatttaaacc ttcaacactc cgcacatcta 180
attgagatcc caaacatata caaggaaaaa aaaaacttgg aaatgttaat ctccaatggt 240
gtgaaagctt gcatcaggtc catccattaa tgatatctct tcccaattct acacatttgg 300
aattaagagg ctgcatacag attgaaaacc ttgatgttaa atcaaaatct cgacttcgtg 360
aaccttttct agacaatcgt ttatctctca agcagttctc agtgaaatcg aaagacatgg 420
caagtttgag ttacatgac 439
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<210> 34593
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 34593

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aaaagaaatt ttttttacct aaaattagtc ttgcttttgc ttattttaat tgttgaaatt 120
tgttttactt atgaggtggt tgacaaaatg tttctaatag aatcaagatc ttttttggtt 180
taaattttta gtttcaattt ttgtatatgg ttcttttttt gtaaaaaggct tgactagggt 240
acatttctat gtttcatttg aacatgatct tattaagctt gaaggatccg agaagcttct 300
tcgcaataat ttctttcaga cttcacattg gtttggttca aacatgaaat ttttttacct 360
aaaattagtc ttgcttctgc ttattttaat tgctaaaata tggctctgct atgacgtggt 420
tgacaaaat 429
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<210> 34594
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 34594

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agctttaaga ataagatggc ctcagcaaat tccttatttc cagaaggaaa ttctatcaac 60
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agaccttcaa tctttaatgg agagggttac cactactgga aaacccgaat gccaatTTTT 120
atcgaagcca tagaactaaa tatttgggaa gccatataaa taaggcctta tatacccacc 180
acagtagaaa gagcttcaat agatggtagt tcatccagtg aaagcataac catagaaaaa 240
cctaaagata gatggtctga agaggagtat aaacgagttc catacaacct ctaaagccaa 300
aacataataa catctg 316

<210> 34595
<211> 423
<212> DNA
<213> Glycine max
<400> 34595

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tcctcacgtt tggtttttta gggaaaaaca ccataactaa acgcgcgcga agggatccct 120
atcgcaccag atccaaatct agaacgatgg gtgatcaaga ggagacgcac gaacagatga 180
aagccgacat gtcggctctg aaagaacaaa tggcctccat gatggaggcc atgttaggta 240
tgaaacagct catggagaaa aacggggcca ctgccgcgc tgtcagttcg gctgccgaat 300
cagacccgac tctcttggcg actacgcacc atcctccctc aaacataata cgactgggaa 360
gggacacact ggggcacgat ggcagccctc acctgtgata caaccgagcg gcttactctt 420
atg 423

<210> 34596
<211> 573
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34596

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gcgagganaa ttgagccaga aacctcgaca atcaaggcga aacgagcgcg gacnccggga 120
ncctctagag ncgacccgca agctatgcag cttcaacatc caagacatca agagaacgcg 180
aacacacaca cgaaccagcg actacgccga caccgcctct gaaagacaag gaaaaggcac 240
tggcagcaaa actaaacaag ctctggactg catgcgcacc gacaccatcc gagcacgaca 300

cctaccagac gcaggccgaa cacaacccag atacgacgcc caaacatacg ctgcataacc 360
 cacaaccccc gcagcgccac cgccggaaca acagaccttc acaagaacaa acgcgaaccc 420
 cgaccaacac ccaacccggc ccgccaatg caccaccccc acgcccagca accacaaacc 480
 taacagcccc ccgaggagcg aaccaccaa agcacgccga cgccacacag acacgcagac 540
 acaggacaaa cccctcacga gcacagccca ccc 573

<210> 34597
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34597

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 tttcaagaac tcttacacct gaaattatat cacctagaaa agcaaataga actgaaatag 180
 tgaaatctca taaagcagaa agcaacttcc acagcagcac aaaatggcca ctgtagaaat 240
 aattgtgacc ataattcaac ttacaaaagg taaaatccaa ttcattattaa tatcatttta 300
 aactcactga aaatatttgg catgaaccaa ctgtcccaaa atatttggcg tgaggggtgcg 360
 ggtgtgtcgc tgcggttcga cgtcactgcc attcctcgtc gctgg 405

<210> 34598
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34598

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 acttctcgt tgacatcttt tgttctgaat ggaattgcc aacaggttc gctgttactg 120
 tctttgatat ttggtagctg acattgtgtt gtgggaggta attccgattg gattaactca 180
 ccaccttca cttgccatt tgttatgaca tttgtgttg gatcacctat gatgtcttgt 240
 ttccaagggt aatctatatc ctttctgatg gcataagcat gaaaccaatc aaagaaaacg 300
 acatctatat ttgactctgt cgacaaattc gtataacttg tcttggattc gccttctgtc 360
 tgtacccttg taatgttgga gaaaccatct cct 393

gagttattgg tgaacaatag ctattgggct gaaagagtaa gcacggttgt gctttataat 120
catatcttct aattgttagg gataactgcg taagtgcac ctagcttgtg ttgtgaatcg 180
taaaaatgta tgccctggaa aggacatggt tgatatttta tttttgttgg aagagtcata 240
tagtaaaatt atgattatct agctactcat tttgtgttgt cactgtttta aataattgaa 300
ttgcctttcc attcaatgcc attgttttgc actggttttt attatccatt gctaattatc 360
tgaagattat gacgtgggaa cttgccttga atctgtgcgg ctttgacgag aaacatattg 420
tagcatat 428

<210> 34602
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34602

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caaccatatt atcaatcac tttgaatcat ctatctttta catcatcttt caacatcctt 120
gaatctatct ttcaacatct ctcaatatct tctttcatct ctttcaaac tttcaacaaa 180
actttctaatt tcattttctct tcatctttct aaaagtgttt tatcaaacact ttctcttcca 240
agaaaagttc tttgttaaaa aacttgtgtt attcatcttt ttcatctctt tctccctttg 300
ccaaaagaac aaaggactaa ccgcttgaat tattttgtgt ctctcttctc ccttacaaaa 360
gattcaaagg attaacccgc ttagaattct tttgattctt ccc 403

<210> 34603
<211> 351
<212> DNA
<213> Glycine max

<400> 34603

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attccttggg ataaaggtag tggtgccatg ttttcaaagc ccgcactaag gcatacaact 120
ccttatcata agttgaatag ttaagggtag gaccacttaa cttttcacta aaataagcaa 180
ttggatggcc ttcttgcac aacacagccc caatcccaac atttgaagca tcacactcaa 240
tttcaaaaga tttttgacaa gttggcaacg caagtatggg ggcattagtt agcttttgct 300

taagaacatt gaaagcttct tcttgtttct ctccccatgt gaaaccaaca t 351

<210> 34604
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34604

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 ccctatctaa tacaatacta gaaggaattc catgcaacct tactactccc ttgatgtaca 120
 actccactag cttctacatt ctatacttca tattcaccgg aataaaatga gcagatttgg 180
 tgagtcgatc tactatgacc cacacaacat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctcccatt tccattccgg aatttccaat ggcttcaatt 300
 ctctgatgg tcgctggtgc tcagccttag ccttttgaca tgtcaaacat cttgctacat 360
 attcagctac atctttcttc atgcccatgc caccaaaact tctcttcaaa tcttggtaca 420
 tcttagtcat t 431

<210> 34605
 <211> 327
 <212> DNA
 <213> Glycine max
 <400> 34605

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 tcttctctta tagcccttag ccgaatacac ctctgatagg gtctctatct gacgcttaac 120
 cctctcatgc aacttgttta caaactctga cctacattac ccttctttat gtataaaata 180
 agtgctgagt gggaggggaa tgatgtctac aggcgactag ggattgaacc catagacaac 240
 ctcaacacga gatagcttga tggttctatg aaccccccta tatgaggcga agtgtacatg 300
 acgaagatac tcatcccaag acttatg 327

<210> 34606
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 34606

tatcataatc gattacatag ctctttttga gacaattatt gattcttttag gagtctctac 60
 tttaatcgat tacttctctc ttaaaatgtg cttcagaagt gatcacaact ttttaataaaa 120
 atagaataag gtgtcgtaat gggtgcaagc tatgtaattg attacatcaa gaatctaate 180
 gattacattg ttcttgaaat ttttccagtt gttgggaaga acactttaat tgattgaaat 240
 gataatataa tcgattactt cttccaaata atcgattaca ttgtatatatt aattgattac 300
 atgcgggttat aactgttttc tctataaata gacaccttgt gttctgcctt ttaataacat 360
 ctaacaactt ctgaatgtgt tagaattatg agctaacatt agtaaaac 408

<210> 34607

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34607

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 tcaccatttt aattattgat tagccttaat tgtcaaatta attatgcagc tttatcattt 120
 gggcctactt gactaatttt gtgtttttta ttttaatttca ggagaaatat aagccattgg 180
 gcttggacat gaagagagca gacaatttta ttttattaaa tcttatctta tccagatttt 240
 atttcgtcca gattttattt catccaatct tatcttatct tgtccagatt ntattttatt 300
 ccatttatgg gcttggac 318

<210> 34608

<211> 422

<212> DNA

<213> Glycine max

<400> 34608

gcttctacaa tctccccctt ttgatgatg acatcttctg aaatcaagaa acactcacac 60
 actttttcct agtcgatcac tcacataaat tctccccctt tgtttttgaa tctatgctta 120
 tcttaaaaat aagttgatta ctcatgtgaa ttcttgattt aatcccattt ctctccccct 180
 ttggcatcaa caaaaagcca aagtgcgtat caaacttaag gtatacaaat ataacttaaa 240
 catccataaa atgttcatga aaaaatatca accaaatcat gaagcaagaa gcaagaacca 300

cgaaatccat gaagcaaaca accatgaata gattaattat aaactccaca tgggtcaaata 360
acatacttaa tatttgggtcca cacataccat gcaaataagg aaatagtaaa ttgttcacat 420
ac 422

<210> 34609
<211> 570
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34609

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agagcgcnnn ntttgggcct gataccntcg aagcncaanc gancanggca cgcggggaac 120
cnggagagcc gaccagcagg caggcaagct tgcaatgagg ccgcagaagc ngncgcagag 180
gcacgacacg agccggcgga cacgaacgaa acacacccgc agcagacaca agagagagac 240
caggagccga aggccaaacac cgacacaaca cagcagggca accccaaccg aagctgacgc 300
gacaccccg gcaacacac gacaacgaca gaaggccgga gccagcagca agaccagca 360
accaacgcag cccaacagca caagaaaagc cagccataac aggagccgag cacaggaagg 420
ncgacgatac acacganaca cacaaccgaa gaagcaccga tggcgcccga cacagaaacc 480
gagcgccgaa aacaccgaac gcatgcgccc gaccaacgag caaccagaag acgcccagaa 540
aaactgaaac acaccccgga cgaacaaacn 570

<210> 34610
<211> 342
<212> DNA
<213> Glycine max

<400> 34610

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ttaccctcgg aagcataata gaatagaacg gaaatttcca atcaaagaaa agagaaggaa 120
tatttccaat gatagaggaa aaaagagaag aaaggaaatt cccaatcaaa gagtgggaga 180
tagagataga aaagaaagaa tattcccaac caaagaatgg gagaaagtaa aaaggggaagg 240
aagctcctgg tcaaagaaac cagagaggtc tttggaccag ataatatctg aacagtacag 300

aatcgtcacc ttatgagcat aaaggaatga aagggaacca cg

342

<210> 34611
<211> 429
<212> DNA
<213> Glycine max

<400> 34611

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gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaatt ttatgcaaaa 120
ctggttatgc atgcacctat gcggacactc aagtgtcaaa tttttatggT catgtgatgc 180
tagggctcag gattcatttc ctctatttta gtcaacccaa cgTTTccaaa atatgttctt 240
ttatcaattt gtgcattaat ccgaatccat tttgcgcgtc tgggaaaatc ttcacagcat 300
tcaaccttca ggtgtataca cactttttca ataactagtt atgatcagtg aattttttcca 360
aagaaaagtt ggaagtcacT tcttttcaaa agcatgttgg tttttcagct tgacaactta 420
tttgttctt 429

<210> 34612
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34612

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taagcttttc ttaacacaaa aatgacatgc taatccctcc gatttagaat gaactcatgt 120
acacttttaa tgtaaaatat ttatgcacat gcgtatgtgt agaatatccc actatttatg 180
tcaacgtaca aggacatcca acacattcca actgccatac atatataatt ttgaaaagaa 240
cacacattct catgctctan gcaactgcgtc anaactcaca cctaatacaca tcttanatat 300
tttgctatca caaactacct acacataatt ganacatata tcatacaggc tntcattgtt 360
tcactcacat ttatttatat gcatattgga gagctaatta cgTcatgcac atacttgcac 420
tc . 422

<210> 34613
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34613

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caaaagcatg attgattaga gaaacatctt tatatgcatt agctgggtctg ttagaaagac 120
ccaacatttc tacctactgc tgtcaatttt atttacttgc atttttacta tttttagccc 180
agacttagtt caatcctggt ttaaatcatc aaatatcaat gtttctttcg acaatgcctt 240
atttctgaat ttaaccttgt cttagactag ttccttgagt tcgatactca gattcatccg 300
ttttgatttt aaatacttga tgatccgatg cgctttccgg caaacggaaa ttacatcagt 360
tgttccttag aaattcgcaa caagagtgtg tagccaacca tatagaaaaa ccctaacac 419

<210> 34614
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34614

ccngctacct cgaaaccagt acgttggtgc atatatactg actcctcaag aaacccatat 60
agcaaagcat tgctcacatt aagctgatat agttcccacc catgggaaag agcaagagtg 120
atcacagcac gaattgagc aggccttgacc acaggacaca atgtctcatg aaagtcaaaa 180
ccatggactc gatgaaagcc cttagctacc aaccttgctt tgaactagtt gatggaacca 240
tcagcatttt cttttactca gaaaaccaac ttacacccaa tggcttgctt attacaaggt 300
acgggaacta agtcccaagt tctgatctca gcaaagcacc atactcttgc tgcattgcac 360
caaccaatcc gaatcttcta cggcctgttt aacattatcg ggtcccgatc gagcagcaat 420
aacn 424

<210> 34615
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34615

gcttgagaca ttcattcata ggggactgag aagagaggggt ttgttcttat tcaaggtcgg 60
atgatgaaga ggcagttcgg ctttgtaaag acagaaagaa gttcatcaga caagctgttg 120
aacatagaac tcaatttgcc acgggacaca tagcatacat agaattctctt aaaaggggtt 180
cagctgcact tgcgaattac attgaaggcg atgagcctcg cgagttctca ttagacacag 240
tcatcacccc acctttcacg cctgtgaaga ggaaaactgg ctcaggattc attcccatat 300
cagcanaacc ctttgctaca acaggagcaa ttgagtttg gatctgacca aactctactt 360
tgaaagtga ttaccttagg cctgggtgga acccagcaat ttcagttgag gaaaggcctc 420
aatccccgga 430

<210> 34616
<211> 379
<212> DNA
<213> Glycine max

<400> 34616

agtttccatt accaacacac gttgattcaa catcagttca atgctcaatg tcctctacaa 60
ccgattcaat tattatcggg acatcttctg ctctttatgt tccattctac atctatatac 120
atggattgcc catgggcttc atgtctcaaa gtgttgcca cagtatcgag aagcatattg 180
ggaaattcct tgagtacgat gtgaaaaata cttcgagtta ttggatgtca tacatgagac 240
ttcatgtatt gctagatgct aagaagtcac tgatgaaacc ctcgaaacta cgaagccatg 300
agaagagctc tctgaagtta tctcaagcat gaaacgcacg ccctttcgta tctttggctc 360
aatgggcaca atgacgata 379

<210> 34617
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34617

tgtcacttat agtngatgct tatgtcatct cttcatttga tatgcaaaca ggtggccttt 60
acttatgaag atggacgcc tgtagaagg atgggtgtag ggagaaagat aatagatagg 120
gtgcaggaga catatcattc tgacttaaat ggtaaggact ttgcatatga tggggagaaa 180
agtctgttta ctgttggtc tcttcctcaa aacaagcttg agtttgaagt tggtcttgag 240

gatgtcacct ctaacacgta gaagtaatta gagagcattt agttgttggt ttggctcttc 300
 aaattgggtt tctgtactatt gtttcaatag cctatgattt attttttgtc ttctatgaat 360
 aatggcaatt gcagccctga tgggtctatgg gacaatgaga gtgactcaaa gaggatgcga 420
 ccc 423

<210> 34618
 <211> 419
 <212> DNA
 <213> Glycine max
 <400> 34618

agtgtgtatt tgaagttctt gagagggtgt gaaattgggt aggcaatagc aaaagacata 60
 ttccctgtct ttcatttact ggaagatcaa acgtacttca tctctctctt attttgatta 120
 aacattgtaa tctttatatt tttttatgtg actacaatgt acattacatt ctcatgatag 180
 catatgtatg atacgacctc tattagttag ctaacaagtg taatttatta taattatgta 240
 gaattcattt tttttgaagg ttccattgggt tcttattcta aatacctatt cttattttat 300
 aacatatatg gtagtagctg caacatataa attggcattg aatcttacga tatgcttctt 360
 cccctaccaa ttattctttc agttagaaca atcactagta gttatcttct tgatttata 419

<210> 34619
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34619

tatcttacct atttatctcc cagttgtctt tgcatatatt caatagataa aaaacatgaa 60
 gttctaattc aagatgtttt ctttgttgca tgggcataat gcaatcactc tatgtctagc 120
 aatgatttta ttaagatgtc cctacctttg agttctacta aaaattatcc tctctcgagc 180
 gactaatctc taaaactgat gcatataaaa ccttcaatgt atttctacta aggattaccc 240
 tctttcaagc gccaaacccc taaagatgat gcaaggatga agcatataat acatttggtg 300
 gcatttttagg cctgccaagc cctaactaaa ggggttttagc ctttcattgt catgagagac 360
 tcttacactt tanggggttg atatggatgg aagaagatgg atggatagag gaag 414

<210> 34620
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34620

aaacaaatga actgacacgt cgancacngn gaactnagaa actccgctgg ccctgctcat 60
 cgggaaaaga ncttttctgag ttttttgaca cccctccag cgctctgctt gcctatgagt 120
 ccatagtgcc ttcccttctc ggaacatgtc tgacaaactt cttgcaaagc cctagccaat 180
 ccttacagat agttgcgcgc atcaaatttg tacgcctaac tctacattat gaattagggtt 240
 ctcataaagc tgaacctatc gttttttaa acgctataat gaccaacggc tatggtgacc 300
 gacaacattg ctcgattctg ataacgacca aagcaagtcg ctaaccatgc gatgatagt 360
 ccagtgcgcg cctgagccca ccacttcctt ccacctaata tccaatagct acaactcaca 420
 ataatgttgc ccactacagc tctaaaagca attatacaac tgcacttaac ccc 473

<210> 34621
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34621

agcttcgtta ttcagctcta gtgctggacc ttgccgtgac tttttgcttc ctggaccacc 60
 atgatatcaa gtttgagcca agaaagatag ctgctcctga tgtggaacgt ctttcatcaa 120
 tatctgatgc ccaatcaaca tcatagaaag catagagtgc catacgttgt gaaacagaag 180
 cagggcgaag gaataaacca tgacaaatag tacccttgag atatcttaat atccttttga 240
 ccacaacgca atgagaatcc aatgaattag ccatatactg acaaacctta ttaacatcat 300
 acctaatctc acgtctagta tgggtagcat actggagggc acncactact ga 352

<210> 34622
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34622

gaaactaagc tgtatatgaa ctttctcttc attgctacta ttatctttat tagtttcaaa 60
ctatgcttcc aacatagcaa gatcatgac taaaacaccg aggtgaaatt ggatttgctc 120
atttcagtca gagaagttaa gcccatataa attggcacat atgatacata agaattcagt 180
gaattgagaa catgtattac ataataaaat tcacataagt gtttcgagac ataaaataca 240
tgtcatacac ttgattcatt cagataacgg tcaatgtata ttaatgttct cctttgggtg 300
atacaccaac acataacata caaacataat gatgctaata aaaattctta acattatttg 360
gcaattaaat atgcaccaat tagtagtacc tatgtccttt gggcttatac ataaaactaa 420
tgatacacac aaa 433

<210> 34623
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34623

agtcttatga tgatgaatta agttgattca agtagttttg atgatgaaaa agatgatgac 60
aaaaagccca agaaaatgat ttcaagattg agtcaacaag ttcaagatca agattaattt 120
caaatttcat gagaagaaat caagaagatt caagaatcaa gagaagtttg atttcaagat 180
tcaagagaag atgaattcaa gattcaagag aagaaattaa gaagacttca cgctgattag 240
aaaaaaaaaga agaagacttc acaaggggaag tattgaaaag atttttcaaa aaacaaacat 300
agcacagttt tgtttttcan aagagttttt ctcanaattt tctaagttac cagagttntt 360
actctctggg aatcgattac cagtttctta taatcgatta ccagtggcaa agtttgatat 420
caaaagc 427

<210> 34624
<211> 423
<212> DNA
<213> Glycine max
<400> 34624

taacaccgat gactatccca acatagctac tgagtatgga atcagaagca tatcaactgt 60
tttgttcttc aaaaatggag aaaagaaaga aagcgtagtt ggtgcagttc ccaagtccac 120
tttgtccgca acagtggaga aatatgttga tgtataaact ggaaaggaag aaaatgctat 180

aacaaggaac gcttgatcat aaattatgga ccatcttggc tttaatgggt ttcaacactt 240
caaaaagtac tttgtatcca catcttttac aacatttggt aaagattaca ttgtataaat 300
tccctcttct cttctctgct gttccttctg ccatacatta cagttcactt cgccaaattc 360
tcatgccaag ttaatttggc accattactc caggtttggg agtaaactga aatttcaatg 420
tct 423

<210> 34625
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34625

agctttgctg caatattaaa atattgttta aaaccaatct tgggccttca tctaaaaatt 60
taagctggta gtgtttggtg aagacacatg actggtttta tatctogaat acttcttact 120
tctcttcttt tccagttttt cttggacttt ttgtatttag tctctctttt ttattcaaag 180
gatttagtat cctctccctg gttagtgggt gttgctccct tttgtcttta atgaaatttc 240
ttcttctata aaaattatth gttttgctta cttcttggca taggtatccc agtcatgacc 300
agagctcana cctgccaccc tttggatcca ctatcagctg ctgaaatata agtagctgta 360
gctacagttc gagctgctgn ngcaaccctt gaggtagatt tcttgattnt ctttcattga 420

<210> 34626
<211> 419
<212> DNA
<213> Glycine max

<400> 34626

tttgttgaac aaagaaattt cttagtgttg aatgcatttt aaatcttatt tcactttcaa 60
aacttgtaaa cacagttttt cagtttgcta atttaaatta gtggacaatg atcttttcta 120
ttaactagat agtaacatta aaaacaaaat tagtacagca ttaaaaatag catggtgcaa 180
gtaatttatt caaatttgta atatgactgc catttttagtt gagacaacat tatcgtcaac 240
aagataatgt ttgtggcggc taactgacat ctctatatca ttaaactaat gcacctgcaa 300
tgttcatoga atcaaattat atttgccata tcaattcgct tagctactaa atgagccttg 360

atctacacgt ctgttcctta attcgacgat ccttggagcc atcataatca taccgatta 419

<210> 34627
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34627

tcaagttttt gggttgtaag aatgcaaaaa tataatttct aaattgagag atatattttg 60
 gtttctaaga atatttatag tgaaaataaa gatgcaaaat ttgacacact ttcaattaat 120
 attttttcat atgttagaat tcccaaatct aatttaaagt taccctgtaa ccaaaaatct 180
 gaacttatct gtttaaggat ccaactctt cctatttgga caactactcg ttggctcaat 240
 tgagattntg agttgctatg agaatgaatt tttagtaact aacggatatt ntcattgaaa 300
 ggaaaacaaa attttccata atgaacacat gatgttgga gaccataaca aagtttccac 360
 tcatttagat ctttgatg 378

<210> 34628
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34628

tactcagctt cacataggag ctgcatcatg tggatcatt agcattttca tctangngat 60
 gttcttttgc ttctctatc tttttattcg gtcaattcac ttttaattcct tgttcttcat 120
 cttattctcc atgtatatcc ttcatgtct tgtgttttga tgctgttttag agtatattca 180
 aaaaataaac cgattaaatc ttagatctac acttggtctt gcatttctat ggttcaaatt 240
 ttatatatct actcttgaat catgtttttg tgttgatttt aggttcaatc attttccagt 300
 cataatcttc ttgtactgaa cctttaaatc taaattntat tccaaaatat tgattataaa 360
 aaaagcacan aaatctaagt gtaaatcaat taatctatgt tgtcttagag tcatgtntag 420
 tcataataat 430

<210> 34629
 <211> 434
 <212> DNA

<213> Glycine max

<400> 34629

agcttttggtt attttttagca acgggaccct ttttaatttgt ataatttatt gtgtggaaaa 60
agaaaaaacg acaataataa tatattgctt aatgtatttg atccagcttg cttctgttct 120
tcttggcgat ctgtattctg tacagagatg atccatatta tatcatactc tatatatattt 180
tctatgatcc ttgatttaat gtgactgaaa gagaataatt gagtggaaaa gaacaacaaa 240
agcattgaat tttagtcact tttactgaga caacgttatg aaatagctgc catatatggt 300
ctccataatt gtgcttctgt atttttcttc ttcaatcatt atcaccaaatt cattatttgg 360
tatctaggta ctctacaacg gaggaatcag tagatatacg tgatgttcta tcattaggtc 420
tcattacgca tcat 434

<210> 34630

<211> 447

<212> DNA

<213> Glycine max

<400> 34630

tctataatac tcagcttaat aaatgagagg aaaaaaacaa gagttcttgt aatatctgtg 60
aaataatttt tgtagagatt attttcagga gtagaaaagt cactccgttg tttagtaatt 120
ttgaggcatt taattaatct aacgtatcag attttgagtt tcacacacaa caataattcc 180
ttttactttg gatcacttgt tattgttgca cgcgtagctt tctcacagtg tgaagggtgat 240
gaaactgggg tttagtagtc aatcttgttc ttaattgatt gtgtcaaaca ctcaatgtca 300
tttcaatccc ccattctctc ccctagatt tgggcttgcc taaaacaaca ccaactcaaa 360
cctaacacct gttcacgaaa aagatattcc aaattaggga aaggggcaat tgaaaagaga 420
agggctaac ggtaaaatga tcaatga 447

<210> 34631

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34631

agcttgtgct ttataaatca ctctacatt ntatctctag catgcatagt atgttgggtct 60

cgtcctttgt cacgggaagc cggaaggtcc atctcacctt ctttaattgta cacatggagc 120
 actgcgcccc caaatgcgca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180
 atgcattcat atcatgcac gcataagcat ctcttcataa catcataatg gacatatacct 240
 gcatttgtcc ggtcatggca tcatcatgca tatgcgttca aaaaactttt tgggtctgcaa 300
 aattgcatac catttgtttt catgtttgct catccttgcg tttcctctac aaaacataaa 360
 aacatataat gtggggagcg tgaaacttca cactacattc ttagtttcat gt 412

<210> 34632
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34632

tgaaggtgtg tagcccacca tcttttcata gtagaattct gggttatgtgt ctactatcat 60
 tgtcatcatt ttttttctcc gtcattgagg tgccacttga gctgccaggt ctctccacct 120
 ttgggcgtat ttttttgaaa gatctgtgcc ccctttttgc acatgttttg tagttgcac 180
 ctatccgaag acattatact aacactgcct aacgaaggca accactaggt ccttccaaga 240
 atggactcgg gaaggttcca agttagtgtg ccaggtaaca gctaccctag taagactttc 300
 ttggaaggaa tgtatcaaca attcctcacc ttttgcgtat gccccatct tccgataata 360
 catctttaga tggttcttgg ggcaagtagt ccccttgtag ttgtcaaagt ccagcacctt 420
 gaactt 426

<210> 34633
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 34633

agcttggaat ctctgtatta ctggcgctt ctgggtcatga gctagcccat caaccgatga 60
 ccatagtttc agaacgatac attcgtccaa accaagaccc tccttctggt 110

<210> 34634
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 34634

tgtccctcta ctggcgaaac aattagggtc aaggacttat tatgggataa ttgtgagctc 60
aggagcgacg aataaatcct ttcactactc ctcactactc ccgagctcac atttatttca 120
aaatgagtct aactggatcc tacaaaatca acttataaga tgaggattat cttcacttat 180
atattctact ttgactatat tactatgcga ggtaagatct ccaatgcagc caagaattaa 240
acatcttaaa tgagaagctt gcatagctta cacatgtgta gaagattcga taacatgtga 300
tactataggt ccaaccatta tagttacata gattgtggta ctattcgggtg cttgttacgg 360
tacaggtttg gtacatgtac gcgaccttga caagatatgg tgcgtgggaa tatgcatgtc 420
ggtacgt 427

<210> 34635

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34635

agcttggacg ttgggcgtgt tttgtgggac tttgttggtg agaacttttt tggatttaaa 60
atattgcttg tgaacaattt tatttgcatt ttccttgtagc tttattctca agcaataatt 120
attgcttgta aaagcaaccc aaaattatgt aagggtttga ttcttaaatt taacaaccca 180
aaatttaaga atccaatcat acgacagttg tagaagttgc tctagcattg caattatgac 240
aacaatgaaa ctccccctgac caaactctcg ggagatgctg taattatttt cgattagtta 300
attacttata tgtctaatta atatgattaa tcacttatat aattaanaaa tattcaatat 360
gtgatgttaa ggttatattt atcgagatan tttaattaat ctttagttct tgtatcgatt 420
tacaaagtta tt 432

<210> 34636

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34636

taagaataac atnnttttta atttgggttg attggaataa ttttttatta tatatatatg 60

tgcaatataa aaatagaaaa aaataaaaaa gtataaacta cgtacaaaaa taaatgtacc 120
acagaaatca tatacttttaa aatgtttaat attcatttat attacatcaa ttttttttaa 180
aaaactaaca actaaattga ccgaaaatta catcaattaa cataattgga gtgtgaatgt 240
gtacaaaatg aattaattgt aattagataa tataaattat tcaaataataa aatgcttcat 300
ataaattcgt gtatcattat ttttaggttt tcatagttct aagtgttttt actattttaa 360
attattcatc attttcacct tatttttggt tactaattaa tatgtttata ttatatattt 420
cactcatcat ttttaattg 439

<210> 34637
<211> 272
<212> DNA
<213> Glycine max

<400> 34637
agtcttggtt aatatgtaac aattgaatac agttattatc ccaaggtaaa tgaaaagaca 60
cttattagtc aactatagtt caattatgta acaactaaat atatttatta tccccagat 120
aaatgaaaag atatcttttt agctcaaaat taaataattc atccaaataa attctaactc 180
actattgcat ctggatcgta aagggttgaa ttcattgtac tctttaacat tgggtaattt 240
attatcttta aattatagaa atgagacaat ta 272

<210> 34638
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34638

ntattatata ttcattnttc tttttacagt ttcttttctt tccaacaga tactttctt 60
ccccaatca agcattatct cttcttcttc cccccaaaaa gtcattgcac agcccaaact 120
tcccattttc aacacgaaac tcaaagtga gcaaaatttt gtaacaaatt acttctttca 180
atttgatag acaatttagt tcatctaagt tacgagagca tgcataacaa aatttttact 240
gtcaaataca tccaacaatg tcatgcaatt ttggtcattn ttacaaaatt gaaaaaatag 300
atgttgggat aaatttatct cactttttac aaagagataa aattttattt ttttctaatt 360

<210> 34641
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34641

agcttttgcta taattaattt tttggattaa atattgtcat tttttaaggg aacggattaa 60
 ataatgtctt aatacttgta aacaggctaa tgtttgctt tagttcctca aaaataaata 120
 atttcctttt gtcccttatt tataaaaaat gtgtcggatg caatcgttat tttttttatg 180
 accacatacc tacatttcta taaatcaaag actaaagaaa gacaatctat tttggagtga 240
 ttataaaaga acattaccct tgcaagaact attttcatat tttttttttc ctttttagcat 300
 ttgcaatatt cttaaacata tgagaatctt ctcttaacca ttaacattnt atgaaattnt 360
 attgctctca acattntcat attnttcaag actntacact nttagttntt catatattta 420
 aactt 425

<210> 34642
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34642

tcacttgctc aaattcggtc agactctcgt aagcagcttt ttttgagcaa gctcggggcca 60
 aagaattcac ccagcaaagt ccaagatata tttccttccc gtctttgtat ctgtggatta 120
 acagagccct gtcaatatca aaatagtacc aagtgactgt caagtgtcaa ttgcagagaa 180
 gacatcaatg tattaataatc agtgggtaaa attcaaaaac tattgggggaa gtgcatacgc 240
 atactacttc catgatccat gattgtgatg gtttccacat gcacaacagt aaaccatatg 300
 atcaagagaa acgcaattnt gcggaaaatt gtgtttataa tggattcaag ttaaacaatca 360
 caacaacatc agatggagga atcagtctca gacgagtata ttgggctgat tcatg 415

<210> 34643
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34643

agcttgtaaa atgatgagaa gacagcccac aaaatttcaa acgaaaattc aaagtctaac 60
 tatagaagct aaaaatgata agttaagaca aataagagaa taataacttg aaaataaaaa 120
 acttttgaca gaattacaat ttttggaaga aggagacctc agtcggccta cggcgggctg 180
 ccacgacatg gaaaattttt ttctaccccg aatacatata gagtaatagt gattctgata 240
 accggagcaa aagttatggc cgtttgagc tatgacaaaa atcaaantg ctacattntg 300
 ggaactttca aatctgacca aactaagggc tcannactat tttcccacan aatattggatc 360
 acaagaagtg actacaaaaa aaaatcagcc aaaaataaca actcttgcta ccaaaacaaa 420
 aaatcccaat taattca 437

<210> 34644

<211> 431

<212> DNA

<213> Glycine max

<400> 34644

tatgcaatat acaattgtag gcattgggtg tattttcaga tgcagaaact gctacctccg 60
 caaaggatgc tttggatgga agaagcatac ctaggtgaca gttgtattat ttgtctgaca 120
 tgggtatttag ttcaactgtg atggacatat tggctgtgga tgtggtgcat atcctcagat 180
 tgggtcaacta tagactgttg taacttgtat attcacactc tcactttggg ttatttatta 240
 tgtagtttat atgctgtttt tgaaattgta attatgaatc attgaatgtg taaaatacgg 300
 ttagctatat cattccaact ggaccaatca taagaataaaa tgtgttgagt tcaagttttt 360
 tctactaatt agtagttatt agcacattca ttggctctgc tgatatgggt atatacctta 420
 tgcattatta t 431

<210> 34645

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34645

agttttattta ttttataata agagaacaat gacaattgaa gagttgattc atgtttactt 60
 tgatgagtct aatgtttttt ctccaagaaa ggatatttta gatgatattg cagaatcttt 120

agaacaaatg cacattcata gacaagattc taaaggaaaa agagaaggaa gcaatgaaga 180
 tcctccagta gatgtcaaag caaataatga tcttccaaga gaatggaaag cttanggaga 240
 tcatccccctt gacaacatta ttggtgatac ctcanaagggt gtaacaacta gacactctct 300
 caaatatttta tccaataaca tggcttttgt atctacgatac gaacctaana atctanatga 360
 agccataata gatgcaaattg ggataatagc tatgcaagaa gaaactatac caattg 416

<210> 34646
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34646

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 atcaatgtga tcataattgt cataatgtct acctagagag taaagctcgt ttaggatgtt 180
 ttggaaacat ccaaacatgg tttggacatc tattccttct tccaaactga agagttcata 240
 cttacgcata agaaggctca accttttatg ttttgtctca caggaccctt cgtaggtaat 300
 ggcaaagggtg tcctacatct gtttggcact tctgtagcca tcaaccttgg aatattcctc 360
 ttgtgataaa gcacacaaca tagcatttct tgctcgtgag ttgagaagaa atctagaatt 420
 atgatcatcc g 431

<210> 34647
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 34647

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 cctaaagtct aatttatcaa ataaccataa accctaatta gttaagtaca cataaaccct 180
 aattagtcaa atacacataa accccaattt gtcaagtaaa cctaattagt taaacaccca 240
 taaaccccaa tttttcatgt atcccatgaa tcctaaattt tcaaataccc ctaaatagtg 300
 attaatacag taactctaaa ttgtctcata atcctaaacc ctaattgggtc aagtaacact 360

aaagcttaaa ttttcacata cccataaacc ctaattaagt caaataaccc taaaccta 420
 tggccaagta acac 434

<210> 34648
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 34648

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 atgtgaatca ttgaccacata tatcagatat taatctgata agaacagata ctacactcga 180
 tcttagccaa aaggccgaga aaggcatgag ttgcaatgtc ttgagagggt ctctttatac 240
 cgaaacatca agtcattgtt atcttttcta agcgatgtag gatttcaatc acagttaaac 300
 attggacatt gatataattc atgctcgttg gtgcaacaa ggggtgattt gatgaatgca 360
 ttgaattaaa aagaaatcat gtcgagtggg tgtgagacgg catgttcttg ttctgtgttg 420

<210> 34649
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34649

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 agttaataa aattctagtc ttcttgattt tctgttttct atgggtattt tagtgagttg 180
 cttatattag atattgaata gtggtttcag ctgggtgtga attcaaaaaa tagagctggg 240
 tctccattca gttgaaacca gagtctaccc tgtgaaaaat cttcaagtct catattacta 300
 tgtgttttct attacaaaaa tgtattcatg ctcatctgat taagaattca gttataaaaa 360
 tanaaataaa aatcttctt gaagcagtga ttgtataatg 400

<210> 34650
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34650

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caaaacttcaa ctttgatcaa tttggtctcc tgaactttac taacggttaa aaccgtggga 180
caaaaccac tgttttcttc taagagggtac cgaattaatc aaagttaaaa tacggagtct 240
aataccaact tttaccgaaa ataatacagg cactaaaaac atattttaac tcaagtaaca 300
agtaaccata gaatgaacga gacaagatac ttgtgagcgc gggcatcgac gccgcgggtt 360
ttgacggaga atttgtcttt gggggcgatt ntgttcttgg cgcgttggtta ctcggcacgc 420
gg 422

<210> 34651

<211> 416

<212> DNA

<213> Glycine max

<400> 34651

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gaccttcaat cctataacgc aacgtggcgg acgaaagtgg gcagttaact tgaatggcca 120
ttattgtcaa tgcggaaggt attctgcact tcactatcca tgttcacaca ttattgcagt 180
ttgtgggttac gtgagcatga actactacca atatatagat gttgtttaca cgaatgagaa 240
catcttataa gcatactccg cacagtgggtg gcctcttggg aatgaagcgg caattcctcc 300
ttctgatgag gcatggacac taatccctga cccaactaca attcgtgcga aaggctcgcc 360
aaaatcaaca aggataagga atgggatgga ttgtgtcgaa ccatctgacc accgac 416

<210> 34652

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34652

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gctaccaaca acttcgttat agtagccact gccacacaca tacactctta tagcaaagtt 120
 aggacattaa aaaaaattga aacccaaaga atgtatcaat attaattcaa actctttcac 180
 ttggataact taatcaaaac atttgacatg tgcattatgc agaaagcgat ttacaacaga 240
 atacaatgaa gatccaaaaa tctgacttcc tttttgggta cagggaatca tctttaatta 300
 acttggatcc attctgaaat aaggaaagag atgtaatgat aagtaaactn taactactaa 360
 taactacatc ataacataga tttcatcagt aagaaanagc caactgatcc ttgaattcca 420
 t 421

<210> 34653
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34653
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 cccaccctc taaccagtgg cctccaatg atgttgtcct tgcacttggg taaaccaagc 120
 tgagccatca caatttttga atgcagaatt ttctccttcg tggtgaaact atttggcaat 180
 ttgagagggg aagtgagcac tagagtttca accaatcaag tggggataga gaacataatc 240
 ttgtgtgaca aaacctctgc tcctcttcat tgcatttgag aaggctctgc cattgtatgt 300
 tatgctttca tgggaatttcc ctctgataaa aataacaaaa aacatcagac tcattttggc 360
 agaaccacaa aaatattaca at 382

<210> 34654
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 34654
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 gctggtacag gcactcactt ggataaaaga cttgctatca aaagaccatc acttatttga 120
 attctgaagg cttataccaa acttttgggt gctgacgatg tgaacaaata tagcagcgtt 180
 gcactttttt act 193

<210> 34655

<211> 366
 <212> DNA
 <213> Glycine max

<400> 34655

agctttgaat gttctatcta catatgatgt aacttgaaat caaggaatat tatttatattt 60
 tattaacttt tctattcaat ctcatgttgg agatacaact attgtcaacg gtggagaaca 120
 tctatttagt agtacattgt tctgggattt gtcaacatca gcccttacga gttagaactg 180
 acttatgcaa ctaaaatcag aatacttttg ttgaactcat taattatata tataatgaag 240
 gccttatggc atttggggta ttacatgac tgggtattgg ctatttattg cttgggtggc 300
 cgatcttata aatgataggt agaagtctca tcttcgtgtg cccaaattgt gtatgtggca 360
 ttctca 366

<210> 34656
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34656

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 atcacttttg ttaattaaca tgaaaaatgt atcgatatgg tcaaagtga aaattacatt 120
 tttaaagatg cgttttttcac tttaaaacga ttgaaccctt tctttctttc tttctttttt 180
 gttaaagatg acagattcaa cggccgaaac aatagacata aacttttaaaa caattatata 240
 attatgattg ttttggatat atcaagctca aacaatttgt agtggctttt cttttataga 300
 agacccttcc aaaagagaaa caaaggatct acatatgtca aagttaagtt ggagaagaag 360
 tttactttcc caaattgggg gtaaagattt agtatatgtg accgacacta tg 412

<210> 34657
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34657

agcttgtagc catcagaaga gaatgagcat gtgattagaa gtatgactga naatgttagt 60

ctgaagccat gaacacagca t

441

<210> 34660
<211> 430
<212> DNA
<213> Glycine max

<400> 34660

tgtaatcgat tacacatata ctgtaatcga ttaccagagc agattttcag aaaatattct 60
caacagtcac atcttttatg tggttcttga atggctatca aaggcctata tatatgtgac 120
ttaagacacg aatttgctaa gagtttttca gaacaaaag gtcttatcct cttaaaaagc 180
aaatcgtttt atcctcttac aaattccttg gccaaattac ttgtgattca ataaggaatt 240
atttgagtac tcaaattggt caatctatct ctttcaagag agatttcttc ttctcttctt 300
cttcattctg aaaagggatt aagagaccga gggctctctg ttgtgaaaga attctaaaca 360
caaaggaagg gttgtccttg tgtgtttaga acttgtaaaa ggaatttaca agatagtggg 420
actctcaagc 430

<210> 34661
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34661

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atgaggctgg actcctgtta cagctcanag tcttatgctt ggactccctt ccagagcttg 120
tttccattgg gttagagaac tcttggattc agcccttact gggaaatcta gaaaccttgg 180
aagtaatagg ttgttctagt ttaaaagact tgttcacatc ctcaacagca agaagtttga 240
ctcgactcan aagaatggag ataaaaaggt gtgattcaat tgaagagata gtctctaagg 300
agggggatga atcacatgag aatgaaataa tatttccgca actcaattgt ttgaaacttg 360
aatatttacg aaagctgaga agcttctata aaggaagttt attaagtttc ccatcattgg 420
a 421

<210> 34662

<211> 377
 <212> DNA
 <213> Glycine max

<400> 34662

atactcaagc tgctgagctc tgataattct ttaagtttca aacaattgag atgctgaaat 60
 attatctcat tctcgtgatt catccccttc cttagacact atctcttcaa tttaatcaca 120
 ccaacttata tcaattgttt tgagttgacc caaacttttg ggtgttgagg atgtgaacaa 180
 atatagcagt gttgcaattt tttacttcca aaaatgtcaa attcgagaag ggcactgtgc 240
 atggttccaa attaggcaac actccgcttt tatgaaaatt cgcagcatta ttcttcgaat 300
 aatacaccac aacctattca taaatgctct cattctattt catccccttg gttaaagatg 360
 atggaacaca agactta 377

<210> 34663
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34663

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 atgtttttcc ttatggtaca gttgagatca aaagtgactc cacaacaag agtttcaagg 120
 tcaatggaca ccaacttaag ccattcctca caaaccttc tttagtggac gtagtgggtg 180
 aagagacttc cttactccac cctactatcc ctccaccatg acttanggag tttttctttg 240
 cctatctcct tctttacttt tattacantt tgccgattct atttgatngg ttaattgctt 300
 ttaatctttt aattacgcta cattg 325

<210> 34664
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34664

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 agaatggaga aggaggaaag ctgattggag acgccacttc aaggagaaga tgagtcaaga 120
 acaagctcac aaccatagga agccatggat aagagcttta aggtagaaga tgagtggagg 180

gagaaggaga gaaggaacac aaaattttat gtcccaaagt aggtcagaac tttgaagtgt 240
aattcccaaa tgatcaaagt tgaaaaacta cacacataag acctctattt atagcttaag 300
tgtcacacaa aattggaggg aaatttgaat tctattcaaa tttcacttga atttgaattt 360
gaatttgtgg agccaaattt ggagccaaaa tttcactaat tatga 405

<210> 34665
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34665

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aatatttgta aatggaaaat cacttatcac aaatgtatga ggactaaaaa tatatacaat 120
tccatgtaat attttaaaaa atattaatat aaatattgta cgtatacagc tcaatgactc 180
gactaataca acctgaattt atttgaatta acaacaaatt tatttgactc aactaataca 240
acctcaattt caaaagacca atctaaactc actccgcagc aaaacaaata acatgattcc 300
cacgcatatg tgatagcgct tgtgttctca ccaatccacc aaatgtgctc ccaccacgctc 360
acttctctggc atgtaataga aatcatgaaa atgtttaana tcattccgtg taaaataata 420
aaa 423

<210> 34666
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34666

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tgcgatgac atgatgatgg gccttaccgt gggccttgga ctcatcgtgg gccccaccaa 120
cggagtacct cgcgtaacac ttcccagaaa acatgtcacc gtaatccgct gtgccgcaat 180
cgctcttcag gcgcgagatc gcctccgcca cgcagtcttg gcactccccg tagctcaagt 240
cgccggtgca ctgcgccacg ccgtgtaccc caccggaccc accgacgcga aagttcccat 300
cggcggcggc gagtccggcg agcacggcgt cgcgggtccc catggcgctcg gngttgtacc 360

cgaccgacgg cccgcacttc ttcagcacca ccgtc

395

<210> 34667
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34667

tctcntgact ttttaataaat tntcttttagt agatcttagt tatttttttta aacggtggct 60
tcagtttttt atacattttt ttcttttttat ccttaaacad ttatcaaatt ttctgattat 120
tttaaaaata aattatgatt ctttctgtta ttttatattt ttttaataatt tccacaacta 180
ataatttaat aaaaaattac attttcaatt tccagcttaa ctttctcact tctagctaatt 240
tttataaaaa aaataacaag aatgaaactg aggacaatga aaaagtcccg tgtaaccaat 300
caatttgaat aattaattaa agaattgaat taatagaaaa ttgaagaatt taaataactg 360
tattcattta caagctacaa cagtaaaaaa gaatgaacac cattttttgcg aatgactcac 420
ttttct 426

<210> 34668
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34668

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tgagcaaaat tggtcctagt gtaaaacacc taacattaga actttgggtc taccaatatt 120
tattattaat tttttaaaagt aaaaaatatt acacatgtta attaaaagac cttacatatt 180
attattctct ttaaagtaaa aaaatatatt ttaattttta ttctacgtgt cattttctat 240
tgcaccgaca cttcacctga gactacagat ttcactacga gaatagctcc aagtatttgc 300
attgtagcat cactaacaac atcgtgtcca tttgggtgcag cacacaagta ttcacaacta 360
ttcttcatgt ccggaattag tgatctgatc aanatactaa tcaa 404

<210> 34669
<211> 273

<212> DNA
<213> Glycine max

<400> 34669

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acaagccaat gaagccaccc ttctggacac acacgcctga ttcattgagca tatcacacat 120
tcacacgatt caacgaagag tgagagtgtg agtcagaggt tctacctatc ttattaccat 180
tgataagaga gccttgctcc acttatacat tgattgtctg cctacaaata cactctccat 240
gctctgaatg gatgcacatg ttttaataatc tta 273

<210> 34670
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34670

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cgcgcggtat cttcgacaca aaggattact ccgtttcctg cagataaaaag ggctctgagc 120
atgtcgacct atgaaagtct attaactaaa cgtccgtgtg gaaaagaatg agcgggaacc 180
atctctcgag agcttccgac gattagattg caaccttttc gtctaataag acgctcgagc 240
ctaagatgcc aattgaaccc tttttacaac ttgaacttct cctaacttct gatgtttatt 300
ttctaaaccc tcaacatatt atacgccgc catctatacc cggattgtgc ctttagtgcg 360
acacactaat tgctgtgaaa ttgaagtcca atggcgatcat tcttgactcc tacattgggc 420
catgagacca ctctctgact tgacttccct tattattata gggattttat aatggtcagc 480
ccg 483

<210> 34671
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34671

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ccactcctca cgtttggttt tttagggaaa aacaccataa ctaaacgcgc cgcaagggat 120

ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
agtatgaagc agctcataga gaagaacgcg gccaccgccg ccgctgccag ttcggctgcc 300
gaagcagacc cgactctctt ggcaactacg caccatcctc cctcanacat aataggacgg 360
ngaagggaca cactggggca cgatggcagc cctcacctgg gatacaa 407

<210> 34672
<211> 416
<212> DNA
<213> Glycine max

<400> 34672

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tttatagga cattatattt gatttagagg aaacaaaata tcctctattt atgtaccact 120
aatgtaatta tcctatataa acaagcattt gttgtgtact ctgatacacg gttttcactc 180
tagtatccct ctttattttc tctcatttta cagatatgat ttgatcacga taaataggga 240
aatttctcag ctgataatta aggattatac acattattag tggttatgat tccttatatt 300
gtactcttga ttcattataa atcagaataa catgtgcaac acaactacat aattacagta 360
aataacattg ttatattgag taatatcttg agtgctgacc acaactacat aagtgc 416

<210> 34673
<211> 149
<212> DNA
<213> Glycine max

<400> 34673

agcttccatc atagtggaat cagagcacia gaacttcaag tagtgcttc ttaaaccctc 60
attaaatttt tttctttaac ctctcttoca ttgggtggtc ctcatttttc ttcattggatc 120
tcctcacatg gcctgggtcta aatgggtggt 149

<210> 34674
<211> 362
<212> DNA
<213> Glycine max

<400> 34674

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tcaatgtcga gcatctcgac atattatgcg ctggaatcag acatccgtgt gaaaagttat 120
gaccatttga atttctcgag agcttccgat gtttaatttc gagcctctcg acatattatg 180
cgcccgaatc ggacatccgt gtgaaaagtt atgaacattt gaatttctcg agagcttccg 240
atgttgaatt tcgagcctct cgacatatta tgcgcccga tgggacatcc gtgtgaaaag 300
ttatgaccat ttgaatttct cgagagcttc cgatgtttaa tttcgagcga ctcgatatat 360
ta 362

<210> 34675
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34675

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caaggacaag gtttttctct tcttttttaa attttgttct ctctttgttt cttgcttctc 120
aaaagaatat ttaaaaagga gacttgctat tttgtttctt tgttttaagt ttcacattat 180
ggtgataatt tttttatctt ctgaaacctt cattcagggt gtgggttttga ggggtgtcatt 240
gcactgcaag gcctgcgaag ganaagttag aaagcatatt tcaaaaatgg aagggtgagtc 300
tgcttaatca atacatagtc ttggagtctc aaaatgagag tctggatata attagataaa 360
cattggcagt aataatacta attctcatgt tcttgagcat tntttntaat ctttntct 418

<210> 34676
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34676

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tcttcacctt atattgggtt ttttacagaa aatatgaaag aataatgctc tgtgggttaat 120
ctctacaatt ttctacaaaa ctactatttg tctttattta caagttgtaa gatttaactt 180
tgtactgctc tcagtttagct ccgccactcc ttgtaccaa gttaattgggt ttttaatagt 240

438

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<223>      unsure at all n locations
<400>      34679
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<210>	34680
<211>	431
<212>	DNA
<213>	Glycine max

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gaagagaagt	tcaagtccat	agccatcaaa	gtctgaaaaa	agtatgatga	actaagggat	120
gtcaatatgg	ccaccgatga	agccttgga	tgagaaacca	agaaggcccg	aaaggaagaa	180
cacgaccaa	gcaaagtttt	gaggggcttt	atagggcagc	aatagtgagc	tcaagctccg	240
aagaggtgaa	aggaatcatc	acgggtcaaa	ggcatgatct	tgaaggacga	gctaaagggt	300
tgcccttatgt	cgaaaagaaa	tttgttccaa	cagttaagcg	agactgaagg	gaatatgtgg	360
gccatcatcg	ataagtgcaa	agagaagcta	aatctagcgg	cgactcacga	gcaaagggcta	420
gaggatgagt	a					431

<210> 34681
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 34681

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 ttgtatgttg gaagctgtaa tcagcgaggg atggaaaata aaagtgtaaa taaattctaa 120
 gtatgacaat agattacctt ataatgcaa caattttgtc tcaagtgact caaatcacta 180
 aatggacata gttagtggac atccaaaagt ccatacttat tactaagaaa caaattgtta 240
 tgatactttt ttactatcg gattatgaaa atttcaagat tctaaagttc aatatgtcat 300
 ataactcaca actaacataa ggatgtcttc cgtcttccct attactatat tagtagtacc 360
 ttatgatgat tgtagcaagg tgaagctgat ggaagtcgat ctacatcttt gccttcaatt 420
 ggttgccaaa gaggaacatc acatgcaacc tgtgtaacaa atagacat 468

<210> 34682
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34682

tgcgcctact aggattggtc tagtatagtg gtggaagaat ttggatggtt agcacaattt 60
 tttaagttca aattaatctt gttgctgtta ttatatacta aaataattat tctaaccatg 120
 cttgcattgg ttcaaaactc aaaggcattg tttgcgttaa agaaaaaaaa atacattgct 180
 ttgtggtata atataatcaa ctatatattg ctgccatggt tgaatcagcc ttgatttcaa 240
 ttaatctttc ggctgacaaa gcaaaacgct tatactgcat gccaaatatt ttaatttgc 300
 gtttatgcc aatgtacttaa ttgcgtattg tgataatagn ttgttttct gtgtcaatat 360
 ttaatcagta tcattctaaa aagttataaa aaaatcgatt aatataacga ataaggagaa 420
 attacttaat tat 433

<210> 34683
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34683

```

ttgcttagtg tacttattgg tgagagaagc ttggctgttg gatagatgag cgattgcgtc   60
ctccagteta tccgtcgtag tctttttggt tgcattggtca accatggcga tggtgacggc  120
agcatgttgg actagtgtta gcaacgagga agagaagatg attgccttag ttcaaggcaa  180
ggcacctcct gcgaatgggt tgatcgaaac aagtattttg catgctttta ttcattgttca  240
tgcagtatct tatatactgc gagttattac attcataaca acccttaacc gatttaacta  300
actctagcag agtaactaac ttctaatagc ctcaactaac tacacgtgct attanttaac  360
tacctacagg tgctctttgg ctacatcgtg cgtgcactat tagaaaatat attntntaca  420
ttggttat                                     428

```

<210> 34684
<211> 380
<212> DNA
<213> Glycine max

<400> 34684

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cgattgggga tagctcttga tgaccagcct tgcagcaatt cagattgtct atatcttcat   60
gagattggct ctcaagagga tagtttcaca aaatatgaaa taatttcagc atacactatg  120
tatttttcta atcttaaag agctttcatg caaagcctgt tatgattctg ttgaaagata  180
gaaactgttg aatgtttctt gtcctggctg catgctagtc ctggatgcaa agctgaggct  240
aaaatattac tttcatgcaa ttggcaaact ttttttttcc tatagttagt taaaggctgc  300
atgtattttt taaattgatt cacatggggt ttgttggcag ttgatacatg attggaccat  360
tcattttccc tctattctat                                     380

```

<210> 34685
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34685

```

agcttccatc acccgtggta gtcctcattt gtttcgtgta cttttattct cgtttcattt   60
actttccgta cccctttttg acgtgcttca atcatttact taagtcattt tctcgccctaa  120

```


tcaaaaaata aaataaatTT ctaccgatca tTTaatTTgt aatatccgTT aatTTTTgtT 180
 aaaatgaaat ccgatcgTTc ggTcacgcg taaccacgTT ggaaaccaa aagaggtaaa 240
 ataataatat aataatcaaa aaatatTTntt tagtaaaata aagcaaaaaa aatcaattgg 300
 actTTTTctct ttgagattTc tTTTTcttaa ttgaattgac taataactaa agtgaaacta 360
 aggctaanat caactcgcaa agTcaagctc gTccgcaaaa agtactaaaa 410

<210> 34686
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34686

ctgagaacta gaagatatag aaagagtact tTTTTacatg ataatggTTT attaaagaag 60
 attagaacag aataatgcag cgtTTTTagaa ttctaactta aaaaagaggT gagattTTTT 120
 agatcgatcc tTaaaagcca gcgaatacat cagtgtTaca tTcgTTactg acttactgat 180
 cataaattag aaagctatta gattaaaata tattTTTTgtT catataaatt tTaaaatatt 240
 tgagattctt catataaaaa tTtcgaggTa tTTTTTTTcc tTaccaaat tTtaaactgt 300
 tactTTTggTc cTtggtccgg ggttagattt ccaacatatg tGcttgatgg ttgtgaacct 360
 aagccaatcc attagtcaat tgggtgtTga caagagctca aagactctca ccctacaaaa 420

<210> 34687
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34687

tGcttgctaa cccatggaag ctCctaatat ctccacact ctatggTgtg ggccattctt 60
 ggatggcctt gattntctca aggtccactt ggaccccatT tctaccaact acaaaaccta 120
 agaaaactat attatctaca caaaaggTac acttctctat atttgcatag agggTgtact 180
 tcctaaagac tgaaagaact tgcctgagat gTcctaagtG atcatctaag ctCctactgt 240
 aactagaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcat 307

gggtttaagt caagcctagg ataaagcttg caagtgtatg taagagctag aagtaacaat 300
gaacaatact tgtaactttg ataagttagt aaaaacttgg tggttgctaa gaattggatg 360
caatcttgag gttgagacaa actaatataa atcatttgtg tgctatctta cttaattgac 420

<210> 34691
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34691

agcttctata taagctgaac cttntatca ataaacacaa gttgagtttt attcagaaaa 60
ttagagttaa tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccctg gctgtatcaa aggactttca caaccttgtg gtgttgccct tgcaggaaag 180
agtgattgtt tccttccttt catcttcacc cttgttattt gaaaccacaa ttccagaaaa 240
tccacctctg cccagaatta tctcgtggcc ataactcctg ttttacgcac tcaaattaag 300
tgattcttga gcctaaattg aatttcaaaa caagaccttt ttcacctcgt ttagaatcac 360
ctcatttgga gccctgtagc ttcagttatt gccatttcta tattttct 407

<210> 34692
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34692

ntacaacaga ttntagtaat gaccactaa cctagaatta aaataactta atgccattaa 60
ccttggaat taaaaaaaaa acttaatggc tgagtgtaac taaaattgtg gcaacaaaaa 120
gtcaccccca acagccaaca agtcagccac catttggctt cccaaaaggc tgatgcctag 180
gttgccaatt gggcccttat tacaacttga actaaaccta ctaaaagcc cttttagttg 240
attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
aaactaaaca ctctaaaatt gagacaaagt ggtgtcattt agtccttctc catttgggcc 360
atgatacaac tcacaacctt ggacttttct ccttgaaact tgggcttgta ttcaaatagt 420
atggacaaca cttg 434

<210> 34693
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34693

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agcttagctg tagcatttag taaaaaaaaaaa aaaagttggg gacagtgtgt ttcttttatc 60
tgtcaacttt ctcccgtttt ctcaattaaa atgggtttta tgatgaccca cgttatggaa 120
acaaattatt gttctcacat aaattttgta tccattcgct taatcaacaa catcatcgct 180
aaagagctta nattggtggg catcaagaac caatttcctt atagaagaga atgcgcccac 240
tattccaaca cccgtgaaga ccaccataat tgaggtgtta atccaataag tgaaggatga 300
ttttggaggc ttgtatgtca tgttgtacat aagcataggc agaacgaaat ccanagggat 360
gaaaccaatg gcaccaacca caccgttgat gtctccaaaa aatggcagca tagctgccac 420
a 421
```

<210> 34694
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 34694

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tatattacat actatcatgt caatgttaaa caaggcattt actggtgctt tgaaagagca 60
gatcaccata tttaaagttg tatcaattgg tatttagaaa aattactgat aaaagagtta 120
ccaaagttgc aacaccatga ccagccagtg ctccagctat gactccaagg ggagaagaag 180
ctgctgcaat ggctgaatag tatggaaaaa acagttcatg ataaagggtg tgagttcagt 240
gcatgacaag aagcaagata gcatgtcttg gtatttgaaa caaatgaaaa gtcaacaaga 300
aaattatata aactgaaact gtattgatcc aaatcaattg gcactcaact cttttaacgc 360
caagcatata aattagcttc aag 383
```

<210> 34695
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34695

agcttacaac attggccaat taagaatccc atataagaca gatctggcaa caacgtagtg 60
gggttgggtt tggagggctc cacttggtatt aaatttcgtc ttgatctttt ccatccatac 120
ttcatgactc ttcatccac atgtttgaat gctcatgaca aattaagatt ggtggataac 180
caacaaaaca cccttggtat tatcaccaat tcatcatcac catcggtcac acaaaacttg 240
tgtttagtga gatcaatttg tagcacagct cattggcccc ctattagctt aaattttgta 300
tagaaacaaa gaaataattn tcaaacaata aaacaacttt tgtcttcttt cattttttta 360
gaatatntc aaatgtgcca aatagttttt tttaaaagga taagatgagt aaaaagt 417

<210> 34696
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34696

tgtagaatgg ctagacatga tacatgtcag ggcttggttt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaatt ttatgcaaaa 120
ttggttatgc atagcannta tgcggacact caagtgtcaa atttttatgg tcatgtgatg 180
ctaggggtca ggattcattt cctctatttt agtcaaccca acgtttccaa aatatgttct 240
tttatcaatt tgtgcattca tccgagtcca ttttgggcgt ctgggaaaat cttcacagca 300
ttcaccttc aggtgtatac acatnnnnnc cgcggctagt tgtgagcagt gaaggggtgn 360
nagaaaagtt ggaagtcac tcttttcaaa agcatgttgg cttttcagct tgacaactt 419

<210> 34697
<211> 437
<212> DNA
<213> Glycine max

<400> 34697

agcttccttt ctcccttctt ctgacctcc attatcacia ccaatgtcac tcaccatatg 60
aagcttccat ggttatcttc catggttgct actcaccata cgaagtttcc atggctgcct 120
accaccaca ctactctcg aacctccac taccctccac aacaatcacc acaccatctg 180

gaatttttctg cgcacaccaa ggaccgcttc gagggcgtcc tggctaaact tgatgttgct 240
 acacgccacc aggacacccg actggacgct cttctcctat gactacctcg gcaacccgac 300
 cacctctacc ctctcagtc tccatgcttc gtgcccatag caccaagtct cgcaccatta 360
 ctgcctctgc cgcggacttc gccactgact ccaccgctgt ctccgccgtt cgagctgact 420
 ccatcaccca tgcttat 437

<210> 34698
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34698

tattctgagc atgattcctc ctaatttcca tgcccaaaat ctttttagtt gctcccatat 60
 ctttcatctc aaattcacta ttaaaaagtg acttcagttt ccgaatttca aacttgtgtc 120
 aagatactat gggcatgtcg tccacataga gaagtagata aatgtatgca ccatccttca 180
 ccttactatg ataaacacat gaatcatatg gacttttatt gtacccatga gagataatta 240
 actaatcgaa tctcttgtac cattgtcttg gagattgctt caatccataa agagaccttt 300
 acaacctaca aataaaatct tcctttcctt gcacttcaaa accttttggt tgtttcataa 360
 aaattttcttc ctcccactat tccatggaga aaangttggt tcacatcaa 409

<210> 34699
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34699

agctntaaat gtgcttcattc ttgggtcattg gcaagaatcg cgttcatatc acattgaaat 60
 gaggagtgaag gaattcctaa cagagttgag ggatcaaaag tatttgaagt agtcttcgag 120
 ggatatcaag aatatctgag ttgccaccct ctattgctca acttgagaac ctacaaattc 180
 ttgatcttgg aaacatttca taatgatatt ttatcaatga acattctcac acatatgatt 240
 ctatctcaac attacttgtt ggagagaatc ccacacggga ttgagaagct cattaatcta 300
 ttcaaccccc acccctcttc tatattccca gttattacaa cactntcaaa tgctntangt 360

acttgagaca caatcaccat acccaactca tccata

396

<210> 34700
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34700

tgcgcgaatc acanaactcc tacatggcat ctctagcatg cattttcttt ctttaccac 60
ccctcacgtt ggggttttta gggaaaaaca ccataactaa acgcgccgca agggatccct 120
atcgaccag atccaaatct agaacgatgg gtgatcaaga ggagacgcac gaacagatga 180
aagccgacat gtcggctctg aaagaacaaa tggcctccat gatggaggcc atgttaagta 240
tgaagcagct catacagaag aacgcggcca ccgccgcgc tgtcagttcg gctgtcgaag 300
cagactcgac tctcttgga actacgcacc atcctccctc aaacatagta ggacggggaa 360
gggacacact ggggcacgat ggcagccctc acctgtgata caaccgagcg gctta 415

<210> 34701
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34701

agctnttact gtccttgtgt taaatgtttg aatgagagag aactagaagt tgagaatata 60
tgagcccatc ttttttgtga tgggttttgc aagagttata caacatgaac atggcatcgt 120
gaatattttg acaaggaaag tgtgtcccaa acaaaggaag ttgatgtaga tatggatgat 180
catctagaga atatgattcg tgatattgga tcaaagtctt ttcagcaagc acatgtgtat 240
gatactttga aaagtgatgt ggaaatccct ttgtatctag ggtgcactag tttcacaagg 300
ttatcaacaa tgttgaaatt ggttaatctt aagacgaana atgagtggat taataaaagc 360
ttcactgaat tacttaagtt actggaaaaa tgcttctgaa aaataacaca ttgccaagct 420
atcactgtga ggaaaaa 437

<210> 34702
<211> 439
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34702

tgtcccaagg attcatatcc ttttaacccca acatagatag gcttgtggat ggagtttttg 60
aatgcagttt gataccataa ggaatcataa cctccaatta aacttagaaa aatgattttt 120
caaagtacat gccgagaagt tcttaggttt tatgttgaca aagaggggaa ttgagggtaa 180
cccaaataaa tgcaaggcca tcatgaaaat gagaattcca agaacggtca aagaagtgaa 240
caactcatag ggaagatcat gtccctgtct tggttcttat caaaatcgac agagaaggaa 300
ctccctctgc ttaagtgatt tcggaagaac aagcacttcc aatgggtgct agattgtgag 360
aatgccttca aacaattcaa ggaattcctc acaacactac ccattntaac aaggccgaaa 420
tcgaaaggct ctatacttg 439

<210> 34703

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34703

agcttatagt cactacttgt taagaacccat aagccagagt cgattgttcc ttgataaag 60
tgaagaattt gttttgcagc cttgaaatga gtagtggtta gagtctcgat gtattggctg 120
atgagtactc cagtagcata tataatgttt ggtcttgtgt gtcaaataac ataaactacc 180
caccaaactc ttgaaatcta tagcatccag ttttcttgct tcgtogaact ttgataactt 240
cattntgcac tccatcagtg ttccaattgg cttgcatcta tccatcttga atntattaag 300
catcttcttt gcgtagcttt gcagtgaaat gaagatttca tcttctttct gctntacctc 360
aatggcaaga tagtatgaca tttttccgat atcggtcatc tcanacttct tcatcatttc 420
tttcttanac tctgataatt gt 442

<210> 34704

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34704

tgtaagagct tggctacttc cttntcacc acatctagaa tgacgngtt gagtcgtcgc 60
 tgtggctacc tctactggctt agctgcatcc tctaaaagta tcctatgcat gcaggtagat 120
 gggctaatac caggaatgtc tgctaaagtc catccaatgg ccttcttggtg cttcttgagc 180
 accggcaaca acttctcttc ttgctcaaca tcaagggaag cagagatgat cactggaaat 240
 ttgatgcaat cctaccccg c aagggcattg gatagaagac tccaagtaga ttggggccaga 300
 gatccaaggg aaggccctag ggttctcatg agccttaagg tagattntga gcccatgggc 360
 taagtatgag cccgcttacc tttgtaatta ttagaat 397

<210> 34705
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34705

agctnttctt tatagngtat gtttcttggt ttattttattg gtattggata tgagtttatt 60
 gttgcatatg gaactgatct tctgctgtta tcagattaag tctaaggata gataataagg 120
 catcttctca agaaataaca aaataaattt ctacaaacta agattgagtc atttaacaag 180
 gcttgtcaat ctccacgtgt aacatagaaa aactccaaa cagtccttga gcagaacacc 240
 acatactagc caagaaagta atcctgtccc aaatggttg ttgagatcac aaaatgcctt 300
 tgaaaattct agcattcctt tgtagctata gacactagag agccaccana acaagcactg 360
 ccacagaagt ttagcttctt tacaaaaagc cagatcctct anattgact 409

<210> 34706
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34706

tgttcgcaca tcgttcgcgt gtatgatata cactcgacat ggtttgaagt agaagagacc 60
 ttcaatccta ttacgcaacg tgacggacaa aagtggacag ttaacttgaa tgatcattat 120
 tgncaatgca gaaagtattt tgcgcttcac tatccatggt cacacattat tgcagcttgt 180
 ggttacatga gcatgaacta ctaccaatat atagatggtt tttacacaaa tgagcttaaa 240

agtttactcc gcacaatggt ggcctcttgg gaatgaagcg actattcctc cttctaata 300
 cgcattggaca cttatccctg acccaactac aattcgtgcg aaaggctcggc caaagtcaac 360
 aaggataagg aatgagatgg attgggtcaa accatctaag caccgacaaa aat 413

<210> 34707
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 34707

ttgcagcctc gaaatgatta gaggctagag tctctatgta taggctgatg agtactccag 60
 caccatatat aatgattggt cctgtcgtgt caaatatcat aaactaccca ccatactctt 120
 gaaatctata gcatacagct ttcttgcttc gtcgaacttt gataacttca ttttgactc 180
 catcagtgat gcaattggct tgcactatc catcttgaat ttattaagca tcttctttgc 240
 gtagctttgc agggaaatga agaattcatc ttctttctgc tttacctcaa tggcaagata 300
 gtatgaca 308

<210> 34708
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34708

attgacacta tagaattctg tgacactcta gaaaaactac gcntgctcga gcttggtcac 60
 tacgcttgct gcaccacatg aacgagttgt acggattggt gacaccgnet tcacgctgac 120
 agctgngctg gagcacgtga ctatcactac cctcatccta tgcattgcagg tagatgggct 180
 aataccacga atgtctgcta aagtccatcc aatggccttc ttgagcttcc ttgacaccgg 240
 caacaacttc tcctcttgct caacatcaat ggaagcagag atgatcactt ggaaattgat 300
 gcaatcctac cccgcaaggg cattggatag aagaactcca gtaaattggg ccacagatcc 360
 aagggaaggc cctagnngtc tcatgagcct taaagtagaa tttgagccca tgggcttaag 420
 attgagcccg cctatacttt gaattattac aataagtttt tcctttcggt agagcctgga 480
 ttttggccat tctcn 495

<210> 34709
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34709

agcttggata actacaaatt taatgcatag aaaaaagttc aaaagtcaat gccactatga 60
 taggtataaa aaaatcaa ataatcatgtt atttttttaa attgggttaca ttattaaaaa 120
 tatatttttc ctattaaata attttttata ttttttttac tctgggttgaa aaaggaatta 180
 aataataaat caatttaaag aaaaaaaatc ttcaaaaatg aaataaaact cctttttaat 240
 caatgtaaaa gaatacaaaa ataatatgaa gaaattaatt gaaaaataac tttctttgtt 300
 ccttttcttg tgtaatttaa cattntatgt cttttcctat gtacaagaga ctataaacgt 360
 aagttatgtg aaagaaacat tntcatataa tcattacgga tttgaatcct ctcatgtgaa 420
 attcttg 427

<210> 34710
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 34710

tctctgtcta agtttctctc tctcactatt ggctatgata gcctgaatt tcttttattg 60
 caggaaacgt tccgtgtcac gagtttcttt tatcacgtca cactcacgtt tgccctcttc 120
 tgggaagaat cattgatagc cctgaatttc tgctctcata acgctatatt ggcattgcgt 180
 attaccttgt acatgccagc tttcatattc atcattgaat acgcagggat aatctctatg 240
 atcctcgagt aagagtatta taacatggca aggatacttc tgagcacaga aatagctcac 300
 acagtttgtt atcttgatgg cgatgttctc cctcatttct gtctgtatta acctta 356

<210> 34711
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34711

agcttggttat agtatcttac cacactcttg acatactctn tacttctgat tcttgtaata 60
attgagttaa tgaaatgatg ctaatgtgtc tcagtcaccac tttatgtatg cattntctat 120
tctaatagcaa attttgtctt ccaagtcttt ccaacattta aaaaattagg aatcaatatt 180
tactcagatt tttaaattta acattccatt ntcatatat tgatcctact tgagagagca 240
ttgtttgtga cagtttggtt ttttttttaa tctttttctg atctntgtat actgcagnca 300
attgcaactt tctttgatca nattatggct aagattggng gaaacacttg ctgcccaggt 360
acataatata cttcaacgaa tcac 384

<210> 34712
<211> 279
<212> DNA
<213> Glycine max

<400> 34712

tcgcttaagc gaatagagct ctccattgga acacatgtaa cccttcgcca taaaggccta 60
tatctaccga aactcttaac tagatgtaag ctctatcctc cctgctgcta tctttgaatt 120
cttattgtct cgcttttgta tcaaaccctt gtcattgtgca agagctctta tatgaccttt 180
tacatcttga aagaaaacac tacatgcggg gacagaagct ccgctgctaa gacaatttag 240
agaccggccg tgagcctacc atactacata acttcctat 279

<210> 34713
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34713

agcttggtctg gacaaagaca aggacagcca gtatttatca ccaaacttga agtatgttct 60
taaatgcatg ataaaataat tntatcatga gattgattta tttatttctg tttttaattt 120
gaccagtcta ttttaatatc cctgtatggc ctttntgggc ttgtttttta caatagaaat 180
tgacgtaatt ttgtagcaac tgttgagctc tttgttgtat gatcctgatg cataatttct 240
ttgtaacagg gttacaggaa ttcttccgcc totgagacgt aagttcaaga agtttttaac 300
tcttctcaca agtttagaan atattgagtg gttgaagttt acaatattgt tctaaaatta 360
ttggtgttat ttgctgggtga gttgattatt tgggttgaat caagtattan gtattaagtc 420

atagat

426

<210> 34714
<211> 389
<212> DNA
<213> Glycine max

<400> 34714

gctgacatcg cgcgtgtgcg actgtgttgg ctcacgata actgatacta cgctgcgtaa 60
gaaagagagc cctatgccat ccttgggtacc tgaccatgca tacgatcctc tacgtgctac 120
ctatgacggc tccctatatg acagcacttg ggagtgcgct ctgacgcttg attaccacta 180
ctatctctca aggagttgca ggcctcttga ctatcataac tgggctacgg caggatcgat 240
gcagctccga ctgatgcttt actcaagaat gacaccgatc tatcatcatg cgtcaaggag 300
gctactgatg acagcttcac gagtatgact gtagagcaac gatggtggac ttcaacctca 360
atgactttga tggcgacctt attaactct 389

<210> 34715
<211> 229
<212> DNA
<213> Glycine max

<400> 34715

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gatgaaatca gtgatacgcc accttctgat ctgaacgacc ccaaactgat attacgccat 120
ccatatacgg aaccagaaca cttataccac cacagcatcc ttggacaacg gcagaaaaaa 180
tattgcaacc actctcaatc aaagagccca accgagctct gacaacatc 229

<210> 34716
<211> 66
<212> DNA
<213> Glycine max

<400> 34716

tagctaaaaa ggaaactcat ttacaataa agagcaacat taaagaaact ttccctctta 60
gacaac 66

<210> 34717
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34717

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccctggc ttattcccta 60
 gtggatggcg cctcctctca cctcttttcc tttgtcttcc actgcatctc catggtggaa 120
 aatcaccatt aaaggacctc attgaagctc anagatccaa cctccataga agccccacaa 180
 tcaagcttcc atcagttgta gaccctaag accaagaaaa gacagctttc acatgtccct 240
 ttggtgtttt tgcttattgc cgaatgccat tcgggttatg taatgctcct gctacgttcc 300
 aaagatgtat gatggctatc tttgctgaca tggtagagaa gtgcattgaa gtctttatgg 360
 atgaattttc agtctttggc gcatctt 387

<210> 34718
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34718

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 atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacatg tacttccaag 120
 gtgtatttgt tacttacatc acacacatct ccttggctaa atttacatac atgcatactc 180
 aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatttc taatacctat 240
 acatacacia acttcatgat gaatattgac tatctacaca ataaagtgtc acatttcatg 300
 ctcttttcaa gtttttgcta cctaaagctg catgcaaatt caagtatatt ttcttttgct 360
 gactaaaatt gtattaaaag gtatatattc tttntgtaat gtattttctt tacataacat 420
 gcaacatatt tatatata 438

<210> 34719
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34719

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acagaagctc tcgagaaatt cgaatgggtca taacttttca cacggatgtc cgattcgggc 120
gcataatatg tcgagacgct cgaaattgaa caacggaagc tctcgagaaa ttctaattggt 180
cataactttt cactcggatg accggatcaa ggcataata tatcgagacg ctcgaaattg 240
aacaacggaa gcttccgaga aattcaaattg gtcataaact ttaactcaga ggcccgatgc 300
atgcgcataa tatatcgaga cgcttcgaat tgaacatcgg aagctctcta gaaattcaaa 360
tggtcataaa ctttcacttg gaggtccgat tc 392

<210> 34720

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34720

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atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttcaaacgac aatacatttt 120
aactcggatg tccgattgag tcccgtataa tatcaagaca ctcgaaattg agaataaaag 180
ctctgaacaa attcaaacga caataacttt ttactcggat gtccgattga gtccagtaat 240
atatctagac actcgaaatt gagaatagaa gagctgagca aattcaaacg acaataactt 300
tttactcgga tgtccgatgg agtcccagagc gtctcgatat attatgcgcc taaattggac 360
atccgagtta aaagttatga caattttaat tgc 393

<210> 34721

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34721

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cgattcttga aggtctacct agggattttg actcanagat tgctctaatt gagagtcgtc 120
taccacacat caccattgaa gaagctgaag gttacattct tacgcaagaa ctatgaattc 180

gaaaaataca ctacactcga atctttgagt aattccttca caccaacagt gaatcttact 240
 caaatgagtt cttcgcattc cactgagaat gataactcaa attcgtactt tgacaccaat 300
 acaatgtata ccaatcagta ttcctc 326

<210> 34722
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34722

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 aaggagaaat agtctcttaa tgagctcatt tcatactgtg tgcaagaaga gcaaaggccg 120
 aagcaagaaa ggacctgctc atgttgtgag tacctctaaa tacaagggca aaagaaaaag 180
 aactgaggag ctcaagaatg aagctgctaa aggttttagta caaaagaaac aaaatcaagg 240
 tgacaattgt ttcttttgca gtgagcctgg acatgtaaag aagaaatgta ccaaatatca 300
 tgcttggcat gcaaagaaag gtatgtttct tactttgggc tgttctgagg tcaatttagc 360
 ttcagtacct aanaacactt ggtgggttaga ttctggtgtc actactaaca tcagtgtttc 420
 aat 423

<210> 34723
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34723

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 taattatgac ctttcaagca acagatacaa tccaggttgg aggaatcatc caaatctgag 120
 atggacaagt cctccacaac aacaacaacc tgtccctcct tttccagaat gttgctgggc 180
 caagcaagcc atatgttcct cctccaatgc agcaacaaca gcagcagtc caacaaagac 240
 aacaaggaac tgaggctcct cctcaacctt ccttagaaga gttagtgagg caaatgacca 300
 tccagaatat gcaatttcag caagagacaa gagcctccat tcagagtctg acaaatcaga 360
 tggngcagat ggctactcag ttgaaccaag ctcagtccca aaattctgac aaattgcctt 420

cacaaaact

428

<210> 34724
<211> 362
<212> DNA
<213> Glycine max

<400> 34724

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atgggtgctc ccctctctc ttctccttg ccttccgctg catctctatg gtgaaaaatc 120
accattgaag gacctcattg aagctcacag atccagcctc catagaagct ccacaagcaa 180
gcttccatca gtaaggaggt aagtgtctcc tccaacagga tagctgcaaa agaaactcat 240
tcttcactca agagaaacat tccagatact atcccgtta gacgacctc atattaactg 300
tttcagaaaa aaacacttgc tagcattgcc acacctcttg ggcttgagtt tattcctcaa 360
gt 362

<210> 34725
<211> 396
<212> DNA
<213> Glycine max

<400> 34725

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cacctaaatt gataaagaaa catcataaac tcatacatcc tatgcaaaca aggcaaata 120
ggccccaaata gtatcactta tcttttaate atcttatctt ttatttttct tatcttatct 180
tgttttatct ttatcttaat cttttatctt tcttatcttt tacctttatc ttctttatcc 240
tttatcttct atctttgtct ttatttttta taatctttta attgaatatt ttatcttctc 300
tatctttctat ttgggtcttt acatcttcta tcttttcttt cacatcttta tcttatctgc 360
tatattgtct tatctttatt ttaaattaat tatcta 396

<210> 34726
<211> 367
<212> DNA
<213> Glycine max

<400> 34726

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aaccatgaaa caaattgctc tgtattagtt gtatcaatga aggtgggtag gttaagtttt 120
gtgcttgaac ctctggccgc gcaacacttg agaaatattg cagcatcgaa gtacttgagt 180
aatctttctca ggccactcat gcatgggtgct cttcatccat gacttcggct tcaaattctg 240
ctatttgaga ttccctggat gtagggcaat tacaagatga tgactcagca aagcgagtct 300
cttcaaagat tgatgctact gttctgtcgt gtaaaagctt tctttttctc tttgcgctgt 360
ttctttct 367

<210> 34727
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34727

agctntcaat gtacaaacat ttagtatata caactcttat agagacagac acaatacagc 60
agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
cacatattca catatatctc atttatgatt acttattatg cacatacctg tctgtccatc 180
caagcaacac tgtgacagat cacccaagca ggttgaatat tctgggggag gactaggata 240
ctcgccaggg caatatgatc cccaactact ctcttctgca ttggaagctg tggatgcata 300
tatattgata tgttaggtaa taagacctgc tatgagtact ccacatacac atgcctcc 358

<210> 34728
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34728

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tatcttttgc ttctagacca tgaccacat cttccaacca tcaccacctc caattggtag 120
ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
ttacgataag tgtgcttggt tctttacct gngtttgcaa acttatccct aaccaaatta 240
ataccaaca atacagggga caagattggg tggactagac ttgttagtat tatatatata 300

tatataatat tttataaaact attcttttaa gtattgatta attaacaaaa ttgtgtcaca 360
 ttatataagg aaaaaatatc catatataaa tatttcatta ataacattaa acactat 417

<210> 34729
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34729

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 atatatccag acgctcgata ttgaatgttg aatctctgag ccaatgcaaa cgacaataac 120
 tctttactcg gatgtctgat tgcgtcccg c aatataatga gactcatcaa aattgactgg 180
 tgaacctgtg agctgattca cagcagata actttgaact cggatgcctg attgagtcct 240
 gtcatacatc gagacgctcg acattgaatg ttgaagctct gaaccgattc atacgaccat 300
 aactgtatac ttggatgtct gattgacgct cgtacatata gagacgctcg agattgtatg 360
 ttgtagctct gagccaatgc atacggacat aactctttac tcagatgtct g 411

<210> 34730
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34730

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 aagatattgt cgcttgatt ggctcataga atcaacattc aatatcgagc gtctcaatat 120
 attacgggac tcattcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag 180
 cttcaacaat caatttcgag cgtctagata tatgacgaga ctcaagtcaga catccgagta 240
 aaaagttatt gtcggctgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 300
 atatgacggg actcaatcat acatccgaga tgaaagttat tgcgtttga atttgetcag 360
 aggttcaaca ttcaatttcg agcgtctcga tatatgacaa gactcaatc 409

<210> 34731
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34731

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caaatcattc tcaaacactc atttcatgca aaacaatcca ctacatatca ttttcaatca 120
attcattggt caaacacgct tttggtacaa acaaacaact caaagtgtg acatctatat 180
aattgaaatt tacaacaatt gacatatata atctgaaatt aatatgactg aacataaatc 240
ataaaataat tgaatataaa ctataatggt cgagatgcac aaatttacat gtcctgctgc 300
tgatggtgct cctatgcatg ctcattaang atcaacacct 340

<210> 34732
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34732

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ttttgaacca aaacaccaca aacacataaa tggcaatcga ttaaatacatg gggtaattga 120
ttcaaataata aagtttcaaa aattgataac tcacagaaac atagtgtaat cgattaacat 180
gaatgagtaa tcgattaaaa caatgaaaaa cacgaaataa tcaaagtga acatgtattt 240
ttcagagaaa aatcaacttc acatcaacat actaagacat ttgaagaana ttaatagaca 300
tggagagcat atataacagg ctacttgtag taagcttagt cgtcattcaa tactagaccc 360
atctaagata cctagttcat tcctaataaa gaagaacctt tctctagcaa c 411

<210> 34733
<211> 405
<212> DNA
<213> Glycine max

<400> 34733

tccttgagaa gcaaggaagg tagcatccta gggaagcgat gaagaaagct tcctttggaa 60
gcgacgaaga aagcttccgc tagagggttag ctactcacac ccctocaata gctaagctca 120
atcccatacc aaaatacatg aaaatgcaaa aaaattccta ctacaaagac tactcaaaat 180
gccctgaaat agaaggctaa aatcttatac tactagggtg taacttaactt gtagggtagg 240

tgtgcccotta attttagggg taccctacaa acctaaaatg accaaaatac aaggcccaaa 300
agaaggaaaa cctattttga tatttacaaa gaaaaatgga cccaaccttg gctcatgggtg 360
atgcaatctt acccccacag ggtattggat agaagactcc aagag 405

<210> 34734
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34734

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atgggtgtatc agaaaggcgt aatagaactt taatggatat gattaggagt atgttaatca 120
attcaacttt actcgtattt ttgtggatgt atgccttgaa aactgccatg tatttgttga 180
ataggggttcc tagtaaggca gttccaaaga caccttttga actgtggatg aataggacac 240
ctagtataag gcacatgcat gtttgggggtt gccagacaga aataaggatt tataatccgc 300
aagagagaaa atnggatgca agaacaatca gtgaatattt catttggtat ccaaaaaagt 360
catggngtat atgttttttt gcctaatacat agtatgagaa ttggtgaaac tggaaatgca 420
nggttactga aaatg 435

<210> 34735
<211> 451
<212> DNA
<213> Glycine max

<400> 34735

tgtaagcgac actatgcaat actccatctt atcgatgtat gaacttatga tgcagcgctc 60
cgaacgccat caacagctgt tccgcacat tgctgactgt gatggtcgct ctttaaggtag 120
ttaccatggg gaagaaagat accctctctc ataaggcctc cttcaactgc aataacctat 180
ttcctcatga caacaatcaa ggtgccgaat gctccatgcc tgtgtgccaa tattaggata 240
caccgtgtca catgatctgc tatgaaaacc actcatggct ccgttcaaga aatgagtggc 300
cgagcgatga agtgctttgc cgaatgccaa cgaaagaga atgagcaatt gtgcctctct 360
atgcgaaacg ccatagacac aattatccaa ccttgggtgc gtcctataac agaacatgca 420

acaagatcta ataacaatgc ttggagttga a

451

<210> 34736

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34736

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ttaacctagg gaattaaaaa aaacttaatg gctgagtgtg actgaaattg tggcaaccaa 120

aagtcacccc caatagccaa caagtcaccc accatttggg ctcccaaaag gctgatgcct 180

atgttgccaa ttggggccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240

gattaaccca caacatattt ttggtcagcc aactttacaa ggattggggc attatttaga 300

cagactanac actctaaaat tgaaacaaag tgggtgcatt tagtcctcct ccatttgggc 360

catgatacaa ctcac 375

<210> 34737

<211> 246

<212> DNA

<213> Glycine max

<400> 34737

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tctcgagagc tagcgatgtt caatgggggag cgacaccatg tataatgtcc gcgaatcgct 120

catgcgcgtg aacagtcag accattccaa tttctcgaga gctatcgttg gtcaatgaca 180

accggctata taactaatga cccaactcc agcatccgag cgaatagtta ggacccttca 240

cctttc 246

<210> 34738

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34738

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ttccttaaatt ctcgtcattt ttgtaaaggg tttttgaatg gctttccggn tcaacaaact 120
 ttgcaaattt ttgaacatcg tgaaaaaagg ccaaaaatta atgtagtgac cttgagcttc 180
 aaagctttat ttgtcacatt tgtcaaataa gaaaaccttt caaaagtctc aaaacatttg 240
 acattattta taanaagtcc ccaataaat acttttttta ttgagagcat tatcatttnt 300
 gtatactcag ttttatgaat aatagtttac aaatacctag ttgttntaaa nttaaaaatt 360
 aaagtttatt gtgttataaa atctcaaaag catactcatt ttattggagc atatttttta 420
 tgattcaatt tata 434

<210> 34739
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34739
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 aaattaaaat ttagaaataa gaggttttaa tataactaaa agaattaata tatatttttt 120
 taaaaatttc attaaactaa aatagatcat ctgaaatgaa gaaattaagg aagtttcgga 180
 catgcgggtc aaacttggtg aaaatatgtg tgtgtttttt ttttggtcgt tgctttctga 240
 aatttatgat tgtgcgtaac ccgaggtcta cgttctacaa atgaatgcc a ttagactaa 300
 agaaacatga ctccgcattt tcatctaaat tattactttt tagaatgcta ccgacacatt 360
 aacaacctaa gcagcacatt aacaaaattt aactgatcga ttctagttcc caacctcat 420
 tttgggttat t 431

<210> 34740
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34740

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 gcacaacaag ctttcacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccatctga gtcacgtac tcccacgtag cccatattct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aacagcacia 240

gctatcacag ccaagcaaaa cagagcanag gcagaaaact ctgctcaaca catcaaccaa 300
aatcacagct tttctcactt anagacccca gtaacaattc cttcgatcca attcggttaac 360
cgggtggatcg actccaaaat tntactggaa gtctatagtg tataagccta cattgtgacc 420
gttgggatct act 433

<210> 34741
<211> 80
<212> DNA
<213> Glycine max

<400> 34741

tctatactct atacaagaat taagctctga taccacttgt tagacaagtg gcctcataaa 60
tcttaagagg gggggggggg 80

<210> 34742
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34742

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gtggatggtg cctcccctat cctcttctcc ttgacctcc gctgcatctc catggtgaaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccgtaga agctccacaa 180
gcaagcttcc atcaagtggc aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
tccattaatt ntttttcttt accttctctt ccattgatga ttcttcattn ttctccatgt 300
atctcctcac atgtcttggt ctanatgttg ttaacatgat tcttttagagt ttccaccgat 360
taaacttgct atagaagtta gaattgattn tctatggntc acatttcttg ttcttggtct 420
tg 422

<210> 34743
<211> 397
<212> DNA
<213> Glycine max

<400> 34743

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tcaatttcga gcattctgac atattatgtg cccgaatctg actttcgtgt gataagctct 120
gaccatttga atttctcgag agcttccgat gctcaatttc gagcgtctca atatattgtc 180
cgctgaatc ggagctcagt gtgaaaagct atgaccattt gtatttgtcg aatgcttcct 240
tggttcaatt tcaagcatct ccgaataatt atagtcttga gtctaacctc cgtgtgaaaa 300
gatgtgacca ttccaatctc tcgagagctt gcgttgatca ctttcgagcg tctctgtata 360
ttatgcgccc gaatcagaca tccgggtgag aagtcac 397

<210> 34744
<211> 430
<212> DNA
<213> Glycine max

<400> 34744
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aagattccta aagaagctag agtttaacta cacataacct tctaatagct aagttcacct 120
ccttgagatg agaagctaga acttagctac acaccccta tagtagctaa gtcaccccc 180
atgacaaact acatgagaat acgaaataaa tccctactac gaagactact cagaatgcct 240
cgaaatacaa ggctgaaacc ctatactact agagtggcca caatacattg cccagacgaa 300
ggagtaacct attctaatat ttacaaagat aagcgggctc atacttagcc catgggctct 360
taatctagcc taatgctcat gagaacacta gggcgttcc ttgtatctct ggccaatct 420
acttgagtc 430

<210> 34745
<211> 129
<212> DNA
<213> Glycine max

<400> 34745
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cttgataggc tcctatgcgc tattgagaat gaccattcct aatctctaca gagccttcgt 120
cgctcaatt 129

<210> 34746

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34746

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 cgtgaagtgc gtggctacga gtggaacttc gaacatccag gtttgggtgg acttctttct 120
 ctcttanatt tcgtgggtat gngggtttgg gagatatgat ggggtggcttt gttagttttc 180
 tgctgtgtga tgattatttg tgaaggcatt tgctgaatac ttgatgaaat cgccatgttt 240
 ggatgagtta gacataccca ttctggttta tgggttttgg tgatgatgtt tgtgatgggt 300
 atatgctgaa attgctgatg gaaatctgtt atagacaaag ggtagaacta acccaagggt 360
 agaaagtgag aatgtgattg tatgagtgg 389

<210> 34747
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34747

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 cctagtctgt cagaaggcta agatagaaca ttagagacct tcaaggaagt tacaaccctt 180
 agagataccc tagtggaagg gggacagtat ttccatggat tttgtggtag gactacctag 240
 gaccctaga ggcttagatt ctatctgggt tattctcgat agattgacta agtctgctca 300
 cttcattccc attaatatca gattttcctt ggaaaagttg actaccttgt atataagtga 360
 gggtttcaag ttacatggtg tgccatctag catagtatct gat 403

<210> 34748
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34748

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aaacaataca ttctcaagca ccttgagaat aaattaaaca ctaccatggg catgcatatt 120
gcaaaaaata tgaccttttc tctaataaat cacttcaaac caatgataac taatcaatat 180
tatgcaacta attaaaataa agaatggaaa aaagagttgt tttaggactc aaattataaa 240
tgaaagctca aaattgaaac tgccttgcac atgacaccta agaaggatag attatgagat 300
atgttaacct ttccttacct gtattcgagc tctagaccct actatgatat ttgagattgg 360
cctgcaagct tgattaaaca tgcttttgnt atagtcactc gtaagaagtt t 411

<210> 34749
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34749

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caatggatat ccttctatta agctaatttt ttaaagtatt attcctagca agcacatata 120
agggctctga aatttccatt ttcgcctgtg gcagtgtgag taggggaagc agacacgtca 180
cacggacacg tggcaggggt gccactgcat tntacgaaac gagaatgggc atttcgggtca 240
ttgcgtaggg tagtactagg gtttttgggg tacattcaca tagtcggntg ttgttgctcc 300
aatttcttat tntgggtgcat gcgagtgagg ggctttgtaa attaatttgt tctagtaata 360
gtacgggagc taatagtagt atttctgtga ttgggtgttg agattgatca agtgaatata 420
atattg 426

<210> 34750
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34750

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tagaaggata aatacttcat ccatccaagg atccactcca agcaagactg aatttgcgtt 180
ctgggttagc atttataatc tttgtgaata aaatctttct cttcaatcct atttcogatt 240

ttcatgatta tgattatgct taggactgaa aacggatttg gctatggatt aatttcctag 300
 atttgaaatt taatcataga ctatttggag gattctccaa cctaatttgt gatctcgaac 360
 aatctaagga tagattcgat tgaactatct ctaatgcatt ngactgaact tttacactga 420
 acatca 426

<210> 34751
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34751

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 aaagtcttat gagatacact tcaaagttcc acttctttcc ctcttttatt ccttcaattt 180
 cgtgctcccc ccttctctct ttcttttcc ccatcgaagc atcctctcca agctttttat 240
 ccaaggetca tcttggtggt gaagctcctt cttccatggc ttattcccta gtggatggcg 300
 cctcctctcc cctcttctcc tttgtcttcc gctgcatctc catgggtggaa aatcaccatt 360
 aaaggacctc attgaatctc anagatccag cttccataga agctccacaa gcaagcttcc 420
 atcaacata 429

<210> 34752
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 34752

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 taaaaagtta ttgtcgtttg aatttgctca gagcatcaac attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatttgctt 180
 agaggggtcaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaaga tattgtcggt tgaattggct gagagcttca acattcaatt tcgagcgtct 300
 cgatatatga cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 tgagagcttc aacattcaat ttcgagcgtc tcgatatatt acgggactca atca 414

<210> 34753
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34753

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 atcgagacgc tcgaaattga atgttgaaac cctaagctaa ttcaaacgac aataaatttt 120
 tactcagatg tctgattgag tcccgtaca tatcgagacg ctcgaaattg aatgttgaag 180
 ctctgagcta attcaaacga ccatactttt ttactcgggt atctgattaa gtcccgtaac 240
 atatcgagat gctcgaaatt gaatgttgaa gctctcagcc aattcaaacg ataataactt 300
 ttactcggga tgtctgattg agtcccgtaa tataacgaga cgctcgaaat tgaatgatga 360
 acctctaagc caattcatac gacaatatct ttntactcgg atgtttgaat gagtcc 416

<210> 34754
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34754

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 cttaggcact tctctctctt tctaatttgc ttggaaaaat tgtttccgtg aagaaaatcc 120
 aagccgaggc gcttccgaaa cgtttccata acgtttccgt gaggaatttc gggaagggtt 180
 cgaccgttct tcgacgttct tcattcgttc ttatcgttc ttcgatcttc aacgggtaag 240
 taactcgaac caagcttttc gattcattct atgtaccgtt ggtggtccac attgtgtttc 300
 gtgtatttct attctcgtt catttacttt ttataccccc ttttgacgtg cttaagccat 360
 tttatttaag tcatttctcg cttaacctat aaataaaata aatttccacc gatcgtttga 420
 aatgtg 426

<210> 34755
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34755

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aaagactgga cctcttgcta gttgttattg atgaaaagct taaacacttg tgcttgagtg 120
aaacagtagc cgtgagactg tggtttaagc tactttcctt gatatatgtc ttatgcctaa 180
ctccaattaa ttgtacagga tacattatat tcttctcttt gaataattgc atgctttgtg 240
aaagacaagt gatgagggca ttttacttca ttctattatc atgcaatcaa tagtttttgt 300
tgcatacacc tttgtacata gtcactgcat attcttgtca cttgnggacc aatgagttgt 360
tctttat 367

<210> 34756
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34756

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tatgaagaga taacaattta gagagtgatc gaagactttc aaatggattt cactgaatt 120
tattcataga gagatcgaga tatcttaatg atgaaaagtt tccaaatgat ctaggaagag 180
caccaccaat ttgagttgtg gaaaaaagta acgtgtcaat atttttaaat gccccaatat 240
gatctgtcag attgcctgaa agtcgtgaac tctgaactgc aagtcttgtg agtccatggg 300
aaataccagg agcangaatt tctaaaagtc attaaccctg tggttgagtt tgagatatga 360
tanatctatc accct 375

<210> 34757
<211> 401
<212> DNA
<213> Glycine max

<400> 34757

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ctaattttca acttacctat ttggatgtga catcatggca gataggtccc aactttccgt 120
cgtggattca gtcacaaaac aaacttcaat atgttggtgact gtctaacacg gggattttag 180

attttattcc cacttggttc tgggaagcac attctcaggt tttgtattta aacctctctc 240
 ataatcatat ccgtggtgag cttgtgacta caataaaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcat ttatgtggta aattacccta tctttcaaat gctgtgtata 360
 ggtagacct ttcaaccaat tcattctctg gatccatgca a 401

<210> 34758
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34758

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 ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgngggca agtaaatttt cttcccatca gaccttgaat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag tcatccttcg tcttgccttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacatcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt ctcccatatg 360
 caactctgac ttttatectt cttttgggtc ttcccanata cagtattcag gtgttgaacc 420
 cgctgatata cct 433

<210> 34759
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34759

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 atcaactcat gctcaacttt agcttggctt ttatgttaac agttgcccaa aaatagagca 120
 aatcgatttg aaatttgttc atgaccatat ccataatgct ccatcactag cagctgcatt 180
 aataagaatg cactttcatg actgttttgt aagggtatgc gctccaatct ttaagcttct 240
 ttcattttta cttaacaagt acaatgttat tgtagatta aggttaagga gctaactaag 300
 atgaagcatt tcagggatgt gatgcatcag cccttttgaa ctcaacaacc aatcagggtg 360

agaagaatgc tcgtccaaat cttacagtaa gaggctttga cttcattggc attataa 417

<210> 34760
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34760

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taattatgat cttttaagga acatatacaa tctatgttgg agaaatcatg canatctgag 120
atgggcaagt actccaaaac aacaacaacc tgtccctcct ttccagaatg ctactggtcc 180
aagcaagcca tatgttccta ctgcaatgca acaacagcag cagcagtcac aacaaagaca 240
acaattaact gaggtcctc ctcaaccttc cttagaagag ttagtgaggc aaatgaccat 300
ccagaatatg caatttcagc aagagacaaa agactccatt cagagtctaa caaatcagat 360
ggggcagatg gttactcagt tgaaccaagc tcagtcccaa aattctgaca a 411

<210> 34761
<211> 406
<212> DNA
<213> Glycine max
<400> 34761

tatgatcaat gtcagaagat gctctttgcc ttaaactact accccaatga tcaggaatth 60
gaatagctgc aagcaaagaa tgtatatatt aagaaatata ttgaacaggt attcagccta 120
gctgactacc caagaatacc atggtaaaac ctttaagata cttaaagcata ccctatagag 180
gtgtcaagta tttagctctg ccgaattccc aagtaccaca attaccttat ctttcaaagg 240
ttaccttctg tttaacaata ttaggtatth gtccctagcg aatacccaag caccatggct 300
atcctatcct tcaaatggta tcttttgctt aacagcatca agaatgagac catgtggaat 360
actcgagtac tatgaatatc ctatcctcca aaggttatcc tctatt 406

<210> 34762
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 34762

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 ggagaagggg taaagcagaa acacaaacaa aagctagggg agcgtgaaag ccagtgcgaa 120
 cgggtcgctg ttgggggaaaa aagcaaaaca cgtgtagcta ttttaattnt tttaaaattc 180
 caactttgtc aactacatgc gtatttttctt tttcctctta ctataggggc tnttattttt 240
 gtggtggcat tggttagcca attggtgata aatattttta tgtattttgc tgataaattg 300
 gtgataaata ttgatattgn gtgtaaataa aatatttttt tagcacacat tatattaaan 360
 aaatactagg aaagttaaga aataatttct tttaatgaat atccctcaat tntctctttc 420
 ttagttatt 429

<210> 34763

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34763

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 agcaggaata ccagctcagt ttatgatgag ttgctttatc ttgggggtga gtcccgccat 120
 tcgccaggag gtgcaagttc tacaaccagt cttcttggct caagcagtgg cgtatgcacg 180
 cttataggag gagaaactcc tcgatgcacg taggtcacc acgcagcatt ttcaatcggc 240
 caccgttaca accacggcca cgtgatcaac ctcatgcaac cccacaccac cattgttgcc 300
 tactcctcaa agaacctcaa ctcttccat tctttttaag tgtctcacat cggaagagct 360
 tgcgattcgc cgcgagaaaa gggttatgtt tctactgtgat gagaagttnt ctcgagggtca 420
 caagtgttca ccc 433

<210> 34764

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34764

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tggttagttt acaactcgaa ctatgcgttg gaaagactat acacaactgt tagtgtcctt 120
 taaccctcat ttactaaag ccagaaacct ggtaatctat cctactaaat cagttataag 180
 gttgcatgcc ttgaccttgc aatgtcttca tgattcatat atgcaattat gtgatagcta 240
 ttggccatac tagtgagtga attaatagata gagtcgacat tttttttgtt aaaaaaacg 300
 atcgtttcgt tcatgttggt gcaagataac tgctgaggat tgagttataa ctatcgttgt 360
 cgcggaaatg ggctattcca tctacatggg attccncttg gagtaaagtc tta 413

<210> 34765
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34765

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 actgctcagg ataatgcttt acccaatcag aaggaggcta catgtggaac actggctgtc 120
 actgtgacta ggcagcttc tagtcggcca aatgaatcca cccacttatt tacctcaatt 180
 aatgctaaca ttccggctct aacgtcaccg gcacagaaga attccgttaa gaagccaacg 240
 gatcgggcca aagctccttt tgagaaaggc tacagccaaa cggactggct caagctcacc 300
 caaacacatg ctgaccttgc aagttctcat actcaatttt tgtactatgc aatctcaatc 360
 attaactttg gtggatcagt tttcaaaatt tcttccaatt tcttagagct ttgtaagaga 420

<210> 34766
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34766

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 atctgatcat cttgctttga taaatgcaaa aaaaaagctg gggcaaataa agaggggtgag 120
 gatgaaggag aagcccgtgt tgtgactgcc attcctatac agccaagttt cccaccaacc 180
 caacaatgtc attactcagc caataaccta ccttccccctt acccaccgcc cagttatcca 240
 caaaggccat ccctataaca accacaaagt ttgtcttccg cactaccaat gacgaacatc 300
 acctttagca cataccaaga gcaactaacca agaaatgaat gttgcagcga gaaagcctgt 360

agaattcacc ccaattccag tgcctatgc tgacttgctc ccatactac ttgataattc 420
aatg 424

<210> 34767
<211> 424
<212> DNA
<213> Glycine max

<400> 34767

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ggaatcttaa ggagggccca agttggcccg attgctatct gcacccccct tttactaaa 120
tgcacccccct tctatctttt tggtaattct ttttccgtaa cgttatgaaa cgttacaaat 180
ttcgtaacga tacttatttc ccttctgcaa ggctacgaat ccttacgtat tatgtattta 240
ctctttgtta gctttcgaag aagttacgaa aactcacgga ttgcgcaaaa acacctcttt 300
tcgacttccg cctcattacg gaatttcatt gattgtgcaa gcctgcttcc ttttgctttt 360
cgagacgtct cgggacttca tttattgtgc aaccaatgac tctgagcgac tcggacaaac 420
caat 424

<210> 34768
<211> 421
<212> DNA
<213> Glycine max

<400> 34768

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aaccggaat gggtttaggc aaagacaacg gcggcgtaac tagcctgata aatgccaaag 120
gaaatcgtgg gaagtatggt ttaagctata agccactca ggcggatatg aagagaagca 180
tcgcgggaag gaagagcggg ggtcaaagct cgcgttgagg acaagagagt gaaggaagcc 240
cgccctgcca cataagtaga agctttataa gcgcgggtct gggagacaaa ggtcaagtgg 300
tcgcaatatg agaagatgat gttttgagta cattggattt ggtacgacca tgcccttttg 360
atttccagct aggaaattgg cgagtggagg aacgccctgg catttacgca acgagcataa 420
t 421

<210> 34769
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34769

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 tatccactcg acaagggttg aagtagagga gaccttcaat cctataacgc aaggtggcgg 120
 acaaaagtgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
 tcactatcca tgttcacaca ttattgcagc ttgtggttac gtgagcatga actactacca 240
 atatataaat gttgtttaca ccaatgagca catcttataa gcatactccg cacagtgggtg 300
 gcctcttggg aatgaagcgg caattcctcc ttttgatgag gcatggacac taatccctga 360
 cccaactaca attcgtgcga naggtcggcc aaaatcatca aggataagga atgagatgga 420
 ttgggtc 427

<210> 34770
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34770

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 ataagagact tggtcattac tatcttgaaa gaattctaaa catgaaaaaa gggacatgtc 120
 aaaaggtcta ccaatacttt ctgatagttt gccaaactat catgcttggtc aatttggtaa 180
 acaaaaacaaa aaatcattcc ccaaatactc ttggagagcc tctcataagt ttagtagtaat 240
 tcacactgat gtgataggac ctcaaagaac accatcacta caaggtagtc tctactttat 300
 tcatttcata gatgactnta caagaatgtg ctggattntt tttcttgaaa ttcaagcatg 360
 aagtggctga agtatttgtg aagttcaaga taatgggtgga aactcacagt ggctgcnaga 420
 ttcaatgact 430

<210> 34771
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34771

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agtactttcg acacctactg tacgttgatt tcaccaatgc tgttatggga atgttgcgac 120
aatcctttta aaccttattg atacattctg agaggttcgt tgtcatgtgg ccatattgac 180
gtccttctct atcgtaagcc atcgccatt tttcttttga gatgcgatca atccatgttg 240
ctatcgctgg actcagatca ccaaagtttc taaattttga tcaaaaatgt gcttgcaagg 300
agtgtaggct gcataaaatt agttatgaat aacaatttat agtataaatg atagtaaaat 360
aaacgtggcc atcaaatatg aaattgtacc caacttcttc aacatttctt t 411

<210> 34772

<211> 410

<212> DNA

<213> Glycine max

<400> 34772

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ctgttggcgc cataacagga agggcaaadc atcgagcttg tgagaaatga aactatgaag 180
agcaaaatga atgaacgagt tgatttgagc aaccattgct gatcatacca agcgccacat 240
accatatcag aattcttaca gatgattttt tgagaacctt aagagaatag aaatctgaga 300
tagtgactgt gagtcttcat caaccacttg acttgaatat agatctttgt atttatagac 360
agaactgata ttagatcatg tgtcacaact aattaacagc tgtcataact 410

<210> 34773

<211> 421

<212> DNA

<213> Glycine max

<400> 34773

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gtacagagag agggagagag agatatggcc taagctatgg cgtagcgcg cgcacagggc 180
gtaatactcc atgatgcgcg tgagtctcac acgcaggata taaaacggg ctccgataaa 240

aaatattgtc gagtgaacat actctgggag cggcataaca aatatgtagg cgattttattc 300
 taaaagcacg ctttgttcga ctcgataag tgtattatat ttatcatatt gcgagacaca 360
 gtatgtaaag tatgtctttc tgaagagata tgacctaaag tgcgagagat ctccttgtag 420
 g 421

<210> 34774
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 34774
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 gcttacttct acagcgtatt cagattgaag cacctttaca ctggctgttc catagacgcc 120
 gagattacaa attgatcaag attatctgat gagcgtgcga tcacctacgc acacctatc 180
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 agtgtcttgc acctgatggc agaacttaca tctctctaga tgaata 286

<210> 34775
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 34775
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 aggttccctt ctatcatgca ccagacatgc ttaatggcta ccttatctta tacttcagtt 180
 ggaaagtcac ttctttcatc acaacaaagt tgcataata gagagcatct tttgataaag 240
 aacactgcct tctacactat ggactccatt tattcttcat aggacaatga cacatcctaa 300
 gagacatttt tttgcatgaa aatctctac ac 332

<210> 34776
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 34776

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acaaaaagaa gggaagcacc agctccctat ctatttcgcc agccgcaaac tccatgacac 180
taagaaacgc tatcacatga tagaaaaatg tggcgctagc actcattacc tcggctcgat 240
gtctcaggcc tacttccaga gtcattaagt ggtagtcaaa atgaattaca ccatcaagca 300
agttttgaga taacaagaac tcagaggaag gatgttggtc tgggtctatat aactttcaga 360
gtttaacatg cagtatgaac atcacagccg catgaagaca tagttcatgg ataactttct 420
a 421

<210> 34777
<211> 417
<212> DNA
<213> Glycine max

<400> 34777
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atgaatatcc aatgcttttg tgttttgggtc ctctttgtag agaataaatg ttattttctt 120
cataggatct gtccaaatgt atgaatcaga aagaagtcaa ctaaaaaact gcctactaca 180
ttaaaaaggca tgtcaaaaca agttgcaaag tatttgcata cagaaaagca aatatgatca 240
cttacacaag atatgaagtg tagaaatagt atgataaact gatttatcat atgaacatga 300
caagttaatg acttgcatta aatgcttcga tgattatttc caccaataga tgaagatgaa 360
aacttcacaa gttacaacta tcctcctttg aacgtgttat atatacttga agacttg 417

<210> 34778
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34778

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tgtgcttttt ctatctaatt tgcaacctgc aaaattagaa tatgaaaagc ctgtagatt 120
taaggaagta tccttgggat acctcaaacc tacattgggt gtgtccttaa ggtacttaat 180

gatctttttg atagatgtta agtgagattc cttatgattg gtctgggtacc ttgcacataa 240
 gtaaacactc cactgattta agtagaaaag tgatccaatc atacctctat atcttgactc 300
 atccactgat tntcctttct catctaagtc atggtaggtt gaagttgccca ttggagtaga 360
 tgcttctttg cattnttcca taccgaatnt cctaattagt tntgtacaat acttggtttg 420
 actaa 425

<210> 34779
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34779

tgtaaccacc tataaatacc atgtaatcat tcgttgaatg catagaataa tacttgatca 60
 tttcttcctt ctcttgcttc tgggagggtt cttgggcctc gaacaccaag tataacagtg 120
 gtgctttcat tgagcatcaa tggcagatgg aacacgttct aaggcatcat cagagcgtct 180
 ggaagatgca attgcaaagc tcactacttc gcaacttgct atgaactcga agattgatga 240
 tcttctccat cgaatgtctc agctcgagggc gaatcaacag caacogcaat ctccgtcgtc 300
 gtcgttcgca ggacacatgt cgccgtctca aagccccttc caccgtatga agcttgatgt 360
 tccgagaatt gatagttctg atccaacggg tt 392

<210> 34780
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34780

agcttggatg ttaggaatat tgatgggaac cttcttttct tcctcttcaa ggctcatgac 60
 cagtagctca aaagggagga aatggagaat tttcttttct tataagaggt ttgtatgtga 120
 gagagagaag cgattagcga gaaaattgga gagtgggtgag actttgtggt gggttggcca 180
 tgaaggaagg ggtgctatgt gtcaactagc tacgtgggtg aggtggaaga ttgtgtgtca 240
 ccaagtgagc ttgcatgaga ggtgaggtgt tggctaatta tggattagct tttatgtaca 300
 ccaagcttag ttttaatttta cactgtgtaa ttataactca ttaacattct atagcaactc 360
 ttatcatcac atctatatta gctgatctgt aatgaccgcg tgctcgtaca tggatctaga 420

428

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<223>      unsure at all n locations
<400>      34781
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ntgatgcaac	aatcttcatc	atcacctgca	caccagactg	aatatgctct	tctctacana	60
gggaagacac	gtatccgaga	caaccaggag	gtagaattga	cgagaaatag	tgtcaaatat	120
ttcagatttg	gcagatcagg	tcatatcaa	agaaattgca	gaactagact	ctntaaagtg	180
aatgctacat	acgaagaaga	tgaagatgac	tcatttgagt	cacttacann	nnccaatgc	240
ttcgccatct	acgatcggac	gattggacgg	ccgggggtac	tagtcaatta	cctagattac	300
cagagagaat	ggatcctaga	ctctagtgtg	tcacatcatg	taatangaaa	gggtgggt	358

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<223>      unsure at all n locations
<400>      34782
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tttagagcaa	gcttatgcg	ctatttcctt	acaacgttc	tcttgacaa	gacatttaac	180
cgaaaaaatg	cacccatata	caatcaaggc	agtttcgtta	cctagattat	ttacacgtac	240
ctccaaggtg	tatttgttac	ttacatcaca	cacatctcct	tggttaaatt	cacatacatg	300
catactcaaa	gcatnttggg	gcacaaaaan	atgcacctgt	gcacatcttg	gcatttctaa	360
tacctataca	tacgcanact	tcatgatgaa	tcttgactat	ctacacaata	aggtgctaca	420
tttcat						426

<210>	34783
<211>	409
<212>	DNA
<213>	Glycine max

<400> 34783

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tgtacctgtc gcaaggggtt gtgggtttgtg ctctctgtg gaccaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcctgaa acttatgctg caaatattta 180
caatagacct cctcaacctc agcagcaaaa tcaaccacag gagagcaatt atgacctttc 240
cagcaacaga tacaaccctg gatggaggaa tcaccctagc cttagatggg ccagccctca 300
gcaacaacaa cagcagcctg ctcttctctt ccaaaatgct gctggcccaa gcagaccata 360
cattctctca ccaatccaac aacagcaaca accccagaaa cagccaaca 409

<210> 34784

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34784

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ttacctctcg aagcaaaaaa aaaggggaga gggaaaattt ccaatcaaag aggaagcaaa 120
aaaggagaga aggaaaattt ccaatccaag gaaaaaaga gaggaaaggg aattcccaat 180
caaagagtgg gagaaagcca aaagaaaaga aagaaaattc ccaatcaaag aatgggagaa 240
agaaaaaaga gaagaagaaa gggaagaaaa gtcccgatca aaaaaaata atatgcagaa 300
aggtcttttg accggacaat a 321

<210> 34785

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34785

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gagtacaaga ctactctaac cggctcatat acataagttt gtttaacaag ttcatttgta 120
aatgatccca aacttgcttc caattaggcc atcaaattaa ttaatcctta attaagcctg 180
cttatgtgag atccaactca gctatatccg ntttctttat attattttct gcctctttga 240

ttaaaaaacta aaatgtaaat aaaaaaacta acaatcaaaa aagacaatat tacttttctaa 300
 tcacatatgt tgcttttttaa tctggaagac acaaaacgga gagcanatga tttccatcca 360
 cttataacct accaatgttg gccttttattc agaccagcgg ctagtggcca ttggcttttaa 420
 nttaatcgta atataactca t 441

<210> 34786
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34786

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 atgaagctcc acagttgaaa ttgtggagag cttgtttcta tgactacttt cctaacttta 120
 aaactctggt gtcaatagag gaacgaattt ataggtccca gagttcgtta atagttgggt 180
 atttttctga gaaggttaat agttagttat taggtttgtt agtaattagc ttgcacggcg 240
 agctttttctc tataaaagac acgcatgagc accccttata taataatcat agtccttcta 300
 tctattgggt ttctacataa acatctcaga atttcacctt caacttaaac aattaaagat 360
 ttaagactag gaatctaana catggctaaa ttgacaagt ttttgagtat aaaattaacc 420
 gtcccaatgg aatgaaatat t 441

<210> 34787
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34787

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 agagcttttg ctgtgagaag actggcagag aacagagcga gaagaggaaa ccatctgaga 120
 gcatgagatg agtctgtgag tgattgtgag gttctagagg tggaggagac atccccacta 180
 cttgtatttc ttcaatcctt cattttttctc ttctctttgt tgtaaaggaa gcttcccaga 240
 tatggagagc taaatccttt ggtgggtctt ccttgtaggt acttgatgta aatacttgta 300
 tatctattta atgatgtttt atgtgttctc tgtgctatta gtacgtcatt ctagcgtgtt 360

<210> 34790
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34790

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 cgtgttggtt tcatcatcat tattctgttg aaaatgactg gagatacagc tgtgaacaaa 120
 attgatttaa ctttggactt tcgaagcctc ctttctttgt gacttttcat ttgggcaaca 180
 gtgggattat ttggcaaagg aggaacttcg tagtcctctt ctacntgttg ccatacctcg 240
 ttagcatcga aatatgcttc catnnngaca gcctatattn gatagnntag tccatcaaatt 300
 acgggtacag aaatggtagt aaaggagggt tcagattcca tcttatgtgt ggtggctact 360
 tggngcgtgt aggtgtttgt gggttatata acagatctc 399

<210> 34791
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34791

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 gagccacgat ggtatgaggt gaccttgact tcatttacgc acacatcagt acatgggtgtg 180
 tctgggtgaa catgaggtac agggcatcat atggaagact atgagcgagc ttatgcacct 240
 agttccttgc aaacgtgact cttgcgaccc attgttctag cgagaaaatg caccggttta 300
 ccatccatga agctcttttc cctagattat atacacgaac ctacacagtg agattatacg 360
 tacatacaca caattccttg gctaaagtca catacatgca tatctcaagc attatgtggc 420
 accacataat tgcactctgt gcacatgatt ggcatttata atacctatac ctacgcctac 480
 ttgatgatga atcttgacta tctacacaat atagtgtctac atttcatgct ctttnttcaa 540
 ggtctn 546

<210> 34792

caactatcac ccacggtgga agagtttgaa gaaatcctgc gatgccctct gggaggaagg 180
aaaccatacc tcttctcggg attctatccc tctttagcta gaatttctaa gatagtccaa 240
atctcgacgc aggaattaga ccacagaaag caagtcgaaa atggggtggt tggagtacca 300
aggaaatggt tggaagcaaa agcaagagtc ttggcaggta aaggcgaatg ggccccaatc 360
atggacatcc tcacactttt gatcttcgga ggagtcctct ttccaaatat ggatggggtg 420
atggacatcc c 431

<210> 34795
<211> 423
<212> DNA
<213> Glycine max

<400> 34795
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atctaattca aagtctactt atctttggtc tagcagggtt gtgcgcgcgc cttctcatgc 120
ttgttataag ttgttttcag tgatcaaadc tttcaaaagt tcagtgatca ggatgttcgg 180
agtcattgct taaggaaggg aaaccaagtt gttgatgcat gatcaaagtt tggcatttct 240
attaatggta tttctataat tctttatatt ttattgtgcc ttttatttat aatgctgtaa 300
aggctaattt aatctttagt ctcttaataa tagtttattg gtgtggcaat agcccttggt 360
tatatatata aacaaggag aattctttcg tatgactgat ttgaacaatt tataaaaaca 420
caa 423

<210> 34796
<211> 417
<212> DNA
<213> Glycine max

<400> 34796
tgtaaggat cttgagattt acatgggtgcc cagttacatt gttagtgtgg tacaaggagc 60
tgaggagca actcccaaaa atatctagat atatgtttgc ttgggtgttt gactaagggt 120
ggtgtctcaa caaattgggt caaccctaac ttgatgaggt ccaatgtata ctttcattat 180
ctcaaagaat gcgtgcaaat atgaattaca agatttattg ttagagacaa ttgatagata 240
cattctaatt tggatacata aaagtgttca tgcggcattt accgattaat cacaatgccc 300

atcatgaatc atgatccatg tataattcaa aatagattat gattcactat tttcttcaca 360
tgatcaatcc ataagacaat aacaatcaaa cacttgtgac tgtaaaaagg agaaatt 417

<210> 34797
<211> 417
<212> DNA
<213> Glycine max

<400> 34797

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tatacattat tgtcacagta aacaagaatg ggatgttttt agagaaacag aagtgttgaa 120
atgaggatag tttgcagtat tacaatgaaa tgggtgcagt tttttacatg ggtctgatgc 180
atgcagtcca gaagtaaggt ttttgaatcc atgcattcat tacaacagat aatgaacaaa 240
agcttacoga acttcctcca atcaccaaca aagttgaata acttggaatga taaacacagg 300
aatgcaattg gctcccagtg gagctgaact catgaatcca ttctcctcct gaggtcatac 360
tccaaacott caccagattt ggactcacag atgccaaggc atcaccattc ccatccc 417

<210> 34798
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34798

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actttctgtg attggtttaa agatacaatc tttgcagatg aaaatgcttt agaaacttta 120
agaaaactag ctgacgggcc taaaagaaat gttataactt ggcaaggata cgacataaac 180
aagtattcat tttacacaaa atgggcccag ctttgccaga ctacagaga cctttcttgg 240
gacgtatgta ccttgccatt taagttgttt ttaaaaaaac attaaacttg tataattcat 300
tctagcaatt tgaaacgcta ttgttttatt tttgcaggat gtgtggaaaa aggcaaaggc 360
catccagaaa tagaactg cccccacgt 390

<210> 34799
<211> 416
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34799

agcttcctta tatggacagc attaattatc attgccaaaa tagtgcaaga ttacaaagga 60
agcaggcaca attgatcata gcaatataaa tcgcccattt ttaccattac tctatactct 120
ntttggcact gtgtttccgt tcttgtaaat aagataagaa aattccttct tcttgattct 180
tctttcacta aacatattaa acacgttaat taaacatgta ctcctatacc caactatgaa 240
aaaatatcgt atattatgtg ctccaaaact tccttggaat tttcgtanaa aagaagatta 300
taatagtaaa aaaaaaaaaac tccattatta gtctagtact acaaacaaaa ataatgtaat 360
aatagtaaaa caccaatcag gtaatgccaa ccattccaca cagcattttc cacaaa 416

<210> 34800

<211> 400

<212> DNA

<213> Glycine max

<400> 34800

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gatgctcgga aaaggaagct tggggactgt ttacagagcg gtgctcgatg acagctgcac 120
cgtggctgtg aagagactca aagacgctaa cccctgcgag agaaatgagt ttgaacagta 180
catggatggt gtagggaagc tcaagcacc caacattggt agactcagag cttattatta 240
cgctaaagaa gacaagcttc ttgtctatga ttatctgccc aatggaagct tgcattgctc 300
tcttcattgt tagttaaact caaactcgag cgagctctga tgggacatga tccttcattga 360
taaactttta ttaatttgat aagcttgatt gtttatatat 400

<210> 34801

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34801

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tgtgcanagt tgagaatttt actttcaatt ggtgggattt aaacactcat aactgagaca 120

gactatgaac aggtatgtaa actaattatt aaaaaggaaa atcacgtgag aaatgatgtg 360
 taaagacaag tagacaacgc gttggtcttc ctattaggtg gctgatgtta taaggatatt 420
 ctctacttaa t 431

<210> 34804
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34804

ntctagctnt tcattggtgt attttgatct ccttttggtg ctctaaattg tgggaatgtg 60
 ctcaaatatg tggggcaatt ttggtttggt ttcttgcttg attgggtcga attgaggggt 120
 tgtatgagat ggccctaggc ctataatgca ttttgaagca atgggatatg ccacattgtc 180
 ccagttctct tgctattaat gcctaaacgc gcgcccacca agtggttcggt gaaatgcctc 240
 aatggcatta gcgcgtggtt ttcgtaggga aacaacccat ggggtgtttt ggtttgcaca 300
 tattttctat ttttttggga catgcattca tttccgaaag ggctagagta attgccccac 360
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<210> 34805
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34805

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 tgtctccatc ccacctttgg atttgtgctt gcacattcta atgacaattc aattaatcaa 120
 agaaaagaaa tagcagttgg taaaaggagt tggattctaa aaacagacag aaattttttg 180
 tgatgacaca actgcaggca aaataaaatt tctgacctta tgcttttata gtatctccat 240
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 tcaaaccatg tgaggctttt tttgggatgt gaatggagcc atgtctttgc cttacttngt 360
 caggagaatg ggacctttag ttcaatctag tgaggtgaaa gtaattgtga tggattacca 420
 tggaatctct cta 433

<210> 34806
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34806

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 ccttatttgc taaaacattc cagatttata tattttttttt ggaattgtcc atatttgtat 120
 ttactcaag cttaaagtga caggcagttg atcatccata ccttgtggta tactctcaaa 180
 gtgcagcatc aagaagtgga gttatgacaa ataatggcac tgttgaacaa gtttgtggca 240
 tttgccatga gccagttgaa gatgttgtgg taagttttttt tttttttttt tactttttgt 300
 taaactgttt ttctgattga attgtttcaa ttattttcctt cgttttcgat ctagtatat 360
 gtttccgaaa acagtttttt agctaatttt agtgtgttaa gtatctagtc attattgttt 420
 caggttacca cctg 434

<210> 34807
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34807

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 tattgttatt attatctgta cataactagn tgcgcatat tttttttttt aaggttttat 180
 ttggatatag aaaaaacat atagagtgtc tctgtgatct ngtgtattcg tatatgtcat 240
 accccatttt tgaccccggt ttttaattcct tttttctcgc ttttaaccag aagttcgcat 300
 tcaatgaatt tcgcaggaga tttaaatact attntgttca aacgacgnnt tttattatta 360
 ttatttatat ttttttatta ttatttattt atattatata t 401

<210> 34808
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34808

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ntgaacaata tacttgtcct tcattntact gtctttgggc ttggcggcca cgctcaacaa 60
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aatccttcaa aaccttattg atacattctg agaggttggt tgtcatgtgg ccatatcgac 180
atccttctct atcataagtc atcgtccatt tttcttttga aatgcgatca atccatgttg 240
ctatggctgg actcagttca cgaaattttt ctagattttg ataaaaaatg tgcttgcaag 300
gagtgtangc tgcataaaat tagttatgaa taacaagttt aagtatatat canagttaaa 360
taaacgtgac catgaaatat gaaatcttac ccaatttctt caacatttct ttntgtttgg 420
cattattgaa tttccga 437
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<210> 34809
<211> 411
<212> DNA
<213> Glycine max

<400> 34809

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ttcggacaaa tcaaaaccca tgaccgactg atcaccaagg cacaacttta ccattgtgcc 180
agggcttgcc cttttatgtc attttacatt cattggctag ttttaacaact aattatatca 240
aacactttta ataaaaataa ctaactttca gttaaaaatt agcattagct tattacctaa 300
tcatttccaa acataaacta agcagaacac taaatcctcc aaaatctaaa acaacatat 360
gcccttagca gcttagcctt tggaaccaat aaacacaatg tgatgaatta t 411
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<210> 34810
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34810

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taaagcttca tccttattaa atgatttcaa ttttctttct ctttttaaaa tttccacaaa 120
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tatcatcatc atcatcactt tgatgattat tatggtttgt aaatctttta tccacttaac 180
 ttcaaaaata atttaaaaat ccatttctta agaatttggg ttctgcaaaa aattagtaat 240
 ttcttctcac ataacacggc tgtaattat ctattaacat ttgacgttta tctcatttat 300
 ttaatatatg ttctagcata accttctaac ggtgatgctc ttttgagagt tcttccgaat 360
 gatggtgaaa ggaactagtg aaatgtacct tcaaaagtac tntgacagca tataagaat 419

<210> 34811
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34811

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 cccactcctc acgttttggt ttttagggaa aaacaccata actaaacgcg cgcgaaggga 120
 tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cgcacgaaca 180
 gatgaaagcc gacatgtcgg ctctgaagga acaaattggc tccatgatgg aggccatggt 240
 aagtatgaag cagctcatag agaagaacgc ggccaccgcc gccgctgtca gttcggcttg 300
 cgaagcagac ccgactctct tggcaactac gcaccatcct ccctcanata tagtaggacg 360
 gngaagggac acgctggggc acgatggcag ccctcacctg ggatacaacc gagcggctta 420
 cccttat 427

<210> 34812
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 34812

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 gcaagttgaa agccttgag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgc gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgatcatcaag agaattagga gtgaccatgg 240
 cagacagtat gaatacagca agcatactgt attatgcaca tccgacggcc tttctcatga 300
 catctctgca gccatcacac cacaacacaa tggcatagtt gaaaggaaaa acaagacttt 360

tgcagaagct gctacgggtca tgcttcatgc caaagaactt ccctataatc tctgggct 418

<210> 34813
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34813

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 aagttgaata tcaactgaag caagcaatga agcccatgaa cccaatcat cttgatcaaa 120
 cggatcctta attgacacaa tngngaaattc ttttaacataa ttnttatata ngtgaccaag 180
 actctgagta gagtgaacat gagctccatc attnggctgt ttcattgaagt tcanatcata 240
 cttcccatcc ttagtgtaaa actctgaagc tgcaacatcc ataccaattn taatctgcac 300
 cattgttntt tatttccaga tcagcacaag tgaatattca nattatgcaa cagaaataat 360
 canaacttca ccaccttgc cagtataacc agccttctca atggcatcca cgagtaaaac 420

<210> 34814
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 34814

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 ttataataa actcaccctt cgcaattttt gtactgtgtg gttggtacct gtgatgatcg 120
 cgaacctttg ttcgtggaag cagaatgaca gcagtagagt atgagaagtg agattctttg 180
 gtggagccac caggctgacg tgatgaagtt gggattattt tgggagagag ttgtgttttg 240
 ttaatcaact cctccatagt tggttccata attcttttgt tgaattgagg atgcaaata 300
 caaatttaat tatatgtatg aacaaattta ctttccatta tgtgaatgat tgagttacta 360
 tacctatata tatatatata tatatatata tatatatata tagata 406

<210> 34815
 <211> 420
 <212> DNA
 <213> Glycine max

<210> 34820
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34820

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 tgattcaaga cttcaaaatc gagcatcaag aatccaatcc aagattcaag attgaagaga 120
 agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa gattttttca 180
 aatttttctca aatttttctaa gttaccagag tgattactct ttggtaatcg attaacagtt 240
 ggcagtaatc gattactagt gaccagtttg gttttcaaaa tatttttcaa tggtttgcaa 300
 cgttccaaaa tgattttcaa atagtggaat cgattacact atattagtaa tcgattacca 360
 gtgaatctga atggtggaat tcctatccta ttgtgaagag tcacaacttt tcataaaata 420
 cattg 425

<210> 34821
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 34821

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 ggatcatttt caagggtccaa cgccttaaaa tgatcacctc tttaaagtaaa aaagaatcac 120
 ttgataagaa agaactacgt aggtctgatt tcctcacgcg aattgaggaa tacgtaggag 180
 caaagggaaa cacccttgtc gaccacaaaa agagaaaaat ataaaaaggg tataaaggat 240
 ataaagacat aaaaagggga acataaaaaa tcaaagtcac gtttgcacat tcgattaaag 300
 gctgccgtcc cttgggacgg acgtgtggtg tgctaatacc ttccctgtgc gtaaatacaa 360
 ctcccgaacc ttttcaacta aaagttcgta gatcgcgctc cttcccgggt ttctga 416

<210> 34822
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34822

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 caatttccaa cgggtgagaat gctcataaat gagttgcgaa cctgatgctg aaatatctcg 360
 atgatccaac agttaacaag ttcgagattg tcaattttac 399

<210> 34825
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34825

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 tccctcacat tcaactgttcc ttcttcacgg cttcaatgct catcatcgca gtgcgtactt 120
 ctctttttta cttttcttat tatgcttate ttatcttatt cttocacctc tttctcttct 180
 aggtttcttt accagggcta agccagcaac caacattgaa ttcaacgata gccacaggtc 240
 tcttttattt ttcatttaat gcttcgcgaa cgcaatcttt tccattttccc tgcccctgat 300
 tcttttcttc aatgtattgt agtcagcgag ctgttaaaac tgcccttggtg tgaactntct 360
 tgtttttcac tcaagtttga gtatggtagc ttctctatca tgtatgt 407

<210> 34826
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34826

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 aggtgtttca tatgtatatt ttancgcttg cagataaatn ttcaatttcg gctaaagctt 120
 ccttcaatgc aataatgagg atgaggtgga taataaacia aatatgagac atgtaacgga 180
 gaacatggag tctatgcatt gatttaacac cttgttgtaa cttattcatt aacttaaagt 240
 gagtattttc attttgtatg ctgatacacg aatga 275

<210> 34827
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34827

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gcctggccag gagaccagcc ttcttctctt ggagggggtg gtgncnncac agcccacgag 120
cctgtgactg aggagcccac aacaccaaca ccatcaccaa cagctacaga gaaggagact 180
actccagctc agaccccaca accatctcca ccatctgcac ctgctcctga ggagacttag 240
ccatcagcat tggatcttaa tgaagaccag ccacaggtgg agcaggacgt ttaaattttc 300
tgcactatga aca 313

<210> 34828
<211> 402
<212> DNA
<213> Glycine max

<400> 34828
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gtatcctatc tgcttcaact ccagttcagt tagctcttct aaagccacac tttcttccct 120
ttaatcttct agagtctggt ctatttcatc aaatccttcc tcaccttggc ttgcatctat 180
catttcagat ggagtatgat tggtcgaatt agccaaaatg attgattttt ctattatgac 240
tgggtgatgc ttactgaaag ctgggtccaat gcaatggcta cttgactcat tgagatttct 300
ccttttcccc tagctttcat atttgcaatc attgcaagtt tctgcttcat tttgttcaca 360
gccatagccc gttgcaatct tctcttctgt gtgcgagtta at 402

<210> 34829
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34829

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acagcgtcaa caaattcttg caccctggat acaaagggtt ctttgaatca gtttgcaatg 120
tatcatacat cggagcatgt gcttgctgaa aagactcttg tccaagggtc cgaatcatat 180
cctccaagtg atctcccatt tctacatcaa atggtttaga ttggaaccca ctctacatgt 240

ctgttaattc actatgccat atccatgcta tataatttct ctttaattgca tcacacaaca 300
aatgttcccg tatgtcatcg actttttgccc gtctcctgtt caaacaattt atgcatggac 360
aaaaaaactt cccattntca ttcgggtaac ttctttctg 399

<210> 34830
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34830

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tattccctag tggatggtgc ctcccctctc ctcttctcct ttgccttcca ctgcatgtcc 120
atgggtggaag accaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa 180
gatccacaag caagcttcca ttaataccct tggggggtag gattgcatca tgatgtgact 240
cctctagctt tacacaaagc tatgattaat gctggaaatc caagcctaga ggagtcacgc 300
tgagctataa tagagatctg gtgaaagatg aggtaaccca nattcatgtc catcttcata 360
attattccat agattaact 379

<210> 34831
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34831

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atgtttggng acctgttcca ataaattcaa ttgatgattt tcgttattat ttttgtggat 120
catttctcca agtatgtttg gctctatcca ttgaaattaa aatctgatgt ttcaataatt 180
ttcccaattt ttaaaaaactt ggtcgaaata caattaaact cccaaatcaa aactctctac 240
tttgacaatg gaggcgaatt tattaaactt caaccatttt tacaaaatca tggcatctct 300
cacatgacaa cccacactca taccctgaa cataatggta tttctaaacg tanacaccgt 360
cacttagttg agactgttcg ttgnctacta caccatgca 399

<210> 34832
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34832

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 aggtcacttt aacgctctaa atgttttttt tgttgatgaa aattttttat cttctatctt 120
 aaatttctat caacataaaa ggaagatgga ttctgatact ggccttttaa taaattcccc 180
 aattatacct caccagccct agtgcacac atgggtctca tgtacgcttc tttttcactt 240
 tcacgggcta agtacatgtt cctccacatg acaaattctg tgtaaataag tatgacttat 300
 ataaatgtta accattacaa gagacaatat tagagcactt gtctaaataa gaaactactt 360
 ggcaagccat ggcaatctaa 380

<210> 34833
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34833

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 tattggtaat cgattaccag tgtatccgaa cgttggaatt caaattcaat tgtgaagagt 120
 cacatctttt cataaaatgc atttgttaat cgattacatg gttatggtaa tcaattacta 180
 gtgacaagtt ctgaataaaa agtcaagaga tgtcactctt ccaatgggtt tctcaagatt 240
 ttctcaaggt tataactctt ccaatgggtt tcttgaccag acatgaagag tctataaaag 300
 caagaccttg actttgcatt caaataactt ttacaactt ttagaatctc ttgaacaact 360
 tttgagaaat cttganacct ttacaactca tctttcttct tctt 404

<210> 34834
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34834

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aaattggatg agggcaagag tgatttcgaa aatctgcact attatgcaga attttgctgt 120
 tgaaatgtgc agcagaattt tgtgcttgtg cagaaaatgc ttatgcatgg ctggttgtgg 180
 aaagggttgt acatattggg ttcttgacgt tntctaggag atcccaacgg tcaaaatgta 240
 gacttatgta ctagggacct ccagtaaaat gttcgagtcg atccaatggt gattgaattg 300
 gaacanagag aatgttactg ggggtattgt gtanggaaan gtgtggtatt gggtttgtgt 360
 tttgggcaga gttttctgct tctgccccgt ttttcttga ttttgatagt tcatgatgtg 420
 tggatgttga at 432

<210> 34835
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34835

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 tagctgtgac gctctacact aggatgctac tgtgcaaaga gagtanggac aacaaacact 120
 tttttagtga tatcttcata gaaatataat ttgtcaatgt cacataatgc tcaaagttga 180
 ctttcagcgt acaaatcgaa agaaacatta acattataga acaaaaagaa ttgaaaattt 240
 caagacaaga taatttagat cttctctttt gtgtgctaag gcacaagatg ttactanac 300
 ctatggacgc tactctttta tgattgtttt tagtacttga ggatcgagta attattccat 360
 tgcttttgtg ttgcangtca agtgctaaaa catttgtctt tttaggattt gacg 414

<210> 34836
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34836

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 tatatctata cgctacaact ccgatcagat aactctttta agcacacttg ttccctatag 120
 acatacatta aattgataag atattcttta ttgataggaa taaaaaata tattatttaa 180
 aatttataat aactcaccta tcaatttatc atatttgcac atgtacatta attatagacc 240

gtaaaacacc aagtatatat ggcctaagaa aatgcttcat gtcatatatt aaataaatct 300
 tttcatacct gaaaaataga tcattcttaa attactacct acgaattcat tntttgtcaa 360
 atacctactt gaaaaaaaaa tttaatcctt cggntaagtg atgacgtgac agaataccac 420
 atcattacgt ccaatcactg acact 445

<210> 34837
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34837

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 tctgatcatc ctgctttgat aaatgcaaaa aaaaaaaaaa aactgaggca aataaagagg 120
 atgagaagga gggagaaacc catgctgtga tagccattcc tatacggcca agtttccac 180
 caacccaaca atgtcattac tcaaccaata gcaacccttc tccttaccac ccaccagtt 240
 atccacaaag gccatcccta aatcaaccac aaaaccacc taccacaca ctcanacgca 300
 aacgggtgctt atcgtggagg agttccggng cattccattg agcattgtat ggccctgaag 360
 cataaggtgc anagtcta t gatgogggga t 391

<210> 34838 ~~34838~~
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34838

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 gtgtctccca tattttccga gatagtaatg tatgcattga tcatttggct aactatgggtg 180
 taaaattgct ctattatgtg ggaagataaa cttttgattt ggatgaagtg tacaagggga 240
 gatacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg gatggacaag 300
 cctttgagag aaaccatgat aacaaagtga agaagaaaat gaagttttct aatattgtag 360
 aagtgttggg agatacttc 379

<210> 34839
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 34839

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 agtacgacag tcaccgcttt aggagcggtg tacatcagca gcgcttcgaa gccatcaagg 120
 gatggtcggtt tctccgggag cgacgcgtcc agctcagggg cgacgagtat actgatttcc 180
 aggaggaaat atggcgccgg cggtgggcac cactgggttac tcccatggcc aagtttgatc 240
 cagaaatagt ctttgagttt tacgccaatg cttggccaac agaggaaggc gtgcgtgaca 300
 tgaggtcctg gggttatgggt cagtggatcc cgttcgatgc cgacgctatc agccagctcc 360
 tgggatatcc gatg 374

<210> 34840
 <211> 233
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34840

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 gcggtacata gagtgtgaagg agtatccaca aggggcttct ggcaacgaca agaggatggt 120
 gcagagggtg gaaactagtt tcttttctaag tgggggtatc atgatgtagc tccattggag 180
 cttgttggcc ttggatcttc ttcatcaatg gagtcctttg cttcttgaat ttt 233

<210> 34841
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 34841

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 taacttgaat gaccattatt ttcaatgcgg aaagtattat gttcttcact atccatgttc 120
 acacattatt gctgcttgtg gttacgtgaa catgaattac ttccaatatg tagatgttgt 180

ttacacaaat gagcacatcc taaaagctta ttccgcgcaa tgggtggcctc ttgtgaatga 240
 agcggttatt cctccttctg atgagcaatg gacacttata cctgatccaa gtacaattcg 300
 tgcgaaaggt cgggtcaaat caacaaggat aaggaatgag atggattggc tggaaccatc 360
 tgagcaccga caaaaatgta gtatatgtgg aagagaacga cacaacatac gtcgatgtcc 420
 aatg 424

<210> 34842
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34842

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 aatcatgggt taaggagttg tacaacagat ggagatatat tatacttagt gagggatgct 120
 ttggaaaatg agaatgagat aaacgtttat tttcataatg aagtagatcc aatttttagaa 180
 gaagattcac agatgttgta cttggaatgt catccaattc cagaagttgt tgataatgag 240
 gatgatttag atgatgtacc tattcctggc catgagtaag ggaagtttta attcatctat 300
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 attcatataa tttatttgta cttgatcac 389

<210> 34843
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34843

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 atcccaagtt tcacaatttc tacatctaga ccactccttg aaacactcct tttttactct 120
 aactttgctc tgaacatttt cattccacca ccaagattct ttacccttag gtccaaaacc 180
 tctagattca cccaacgtct ctttagccac ttttaataatc tgttatctcc caaattttga 240
 catgcgcgtg aaaagttatg agcattc 267

<210> 34844

<211> 189
<212> DNA
<213> Glycine max

<400> 34844

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gtgcgattcg cgggcataac tcatctagat gctcgggaatt gtgcatcgga agctctcgag 120
aaagtcgaac ggtcataact ttccacacgg atgtgcgaat tctgggcata atatatagag 180
acgctcgat 189

<210> 34845
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34845

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gagtttctgtg tctcccatat ttcccgagat agtaatgcat gcaccgatca tttggctaac 120
catggtgtag aattgtctta ttatgtggga agataaactc tgaatctgg 169

<210> 34846
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34846

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gaacccaact tctctagtcc aatggtcaaa agatgttagc atttgatgcc caagtaaaag 120
tttccttccc tcaaacctta tcaatctcat tctttctcac aacaagttac atatggtagg 180
aggaatccta aaacaaatgt atatagcaaa ttagcactag cctatcccct aggtctgcat 240
atgaatataa ctactgatat aaagatgaca tcggatcana catgcctcag actaccatc 300
tgtaatgaag tcaaaaagaa aaatttcatg ttttacttga acacaaaat gcctaacaga 360
gaacanaagg tccaattagt caactatcct aaacactaaa 400

<210> 34847

<211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34847

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 atctagtatg gctaatacatt ctccatgtat acttgttctc cattctcctt taccatggca 120
 agcctttgtg aaataacttc gatgaanaga aaaaggtctt ggatcgagtg gcctcaaaat 180
 aattaagaag ggggggttga attaattatt cataaacctt tactaattaa aaattactct 240
 tttaaggctt ttactaaatt gctaagagaa tgaggagtag aagagaaact taacagaaaag 300
 taaaagcggg aattacatgc acagcagaaa gtaaaagagt atggaagaaa gagacaaaca 360
 cacaagagtt tttatact 378

<210> 34848
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34848

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 atgatgcaac ctgcattgga ggaatgtgta tcttttatat tctactgtct acaaacatgt 180
 aaaagaacaa gattgacaag ttccattatg aagattggca tacttgtcga attgaatcaa 240
 ttgtgcgctc tactacagtt gctgcttcag aataagctgc ttgtccatgg gatggcaact 300
 ttgcaaaagt aaagctcatc atggaaccag agattaccag aggtggaata caagatagaa 360
 ggacaagggt tagaagccaa cccttgatga atgctatgac taaacgtcct aaaaaacatg 420
 ccaca 425

<210> 34849
 <211> 369
 <212> DNA
 <213> Glycine max

 <400> 34849

[illegible]

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cgcgaatgtt	cgattcgggg	acataactca	tctagacgct	cgaaattgaa	caacggaagc	300
tctcgagaaa	ttcgaatggg	cataaaagttt	cacacgggatg	gtcgatttcg	ggacataata	360
tatcaagaca	atcgaaattg	aacaac				386

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gcggtatgtt	ccggctagtt	actcaaggga	cttgaaattc	aagctccaaa	aactaaccce	180
aggcaacaag	ggggttgagg	agtatttcaa	ggaaatggat	gtgctcatga	ttcaagcaaa	240

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ccgtgatatn tgtgagctgc acgagtttgt tgaaatggat gattngcttc acaaagcaat 360
cccagtggag caacaat 377

<210> 34852
<211> 413
<212> DNA
<213> Glycine max

<400> 34852
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agaatgcatt gttatgcgtt tatgatgggt agaatagctg atcatgaata ggccacgaaa 120
atgatttgaa taggtacaac ctctataact actcgacaac catcgtgagc gttacgacct 180
ctgatctcca ttcgaaactt actattgggg agcgcatacc caaccattgt catcgaccac 240
accaaacatt gttgcgaaac gatgagactg tacacatatt cctgcccggc aatttaagca 300
tagaccagtc atatccttcg acaaactctg acacccttgg aagtgatata tcgtttgatg 360
attactcaca cctatagttg taatacaata acagatcacc gttatcgata act 413

<210> 34853
<211> 284
<212> DNA
<213> Glycine max

<400> 34853
actagtgcgc ctcttgagca tcttgtatat tagcgagctc tgtcactctt acgagttaaa 60
cagtatcgct ggcacaatth gcactgaact tatatgttca actgctagcg actccaccta 120
ttacgggact gactctgaca ttagagtcac aagtaattgt agtgagaatt tgctcatagc 180
ctatgaaatc aataacaagc atgggaagat cttacgggtac tgaatcgcac atacgagtca 240
gaacttattg tcattggtaa tttctatgag cttctgattt ccat 284

<210> 34854
<211> 203
<212> DNA
<213> Glycine max

<400> 34854

agcttgctgt ctatctaaac taagcaagca gggctgcttc ctccagaagc aacagactac 60
 tggaggaatc gtctgtgagg cccaagtggg catgattgct atttgcaccc ccatttttac 120
 taaatgcacc cccttctatt attttggtta ttctttttcc gtaacgatac caaacttgcc 180
 gactttcgta acgatactta ttt 203

<210> 34855
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34855

gagcttgngc atccctttgg tatggccttt gatacgccag cggtgaccgt gctccacgca 60
 taatcttncc accattctct atgagtgact atttcatgat acgcttaatc acgtacgatg 120
 gatgccgtgc cggtagaaca caacagcttt actactttaa tgctgactcg gggggacaca 180
 tcattataga cctatttata atattactta cgcttatctg cttaatgtat ggatctcgca 240
 annannccac caccnagcat acattactct tttctttgtc attattgacg agcattacta 300
 tttctttggt accacaccac aattagt 327

<210> 34856
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34856

ntttaatoga tacattgctg tagctatacc agactcaatc ttttgcccta tcttgtaaca 60
 ccattgtaaa ttgtgcacac gacgatattt tgctatatga tatctactca gcanagtggg 120
 tttcacgcaa tacataggta agaggtggct gactctacac cgcgtgcat cctgagcacc 180
 tgcaactgatt agcgtgctac aaccgagatg cggacattct atcgttactc gctatgagag 240
 atgttcgatg gaaagaaaac acgactcgga gggtgcaacg ctattacgac ctgttgatca 300
 cggaatatgt ggacgttgcc acataaggac gatatatagg agtggagaag tgatttttga 360
 aacgtattgc agtatgaatg ccaagaaata ctccattgag tccttactga tagggaaccc 420
 tttaaagtgg agagctcaca tttgatgact agatgaacac tgtcct 466

<210> 34857
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34857

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 gtaaanctgc ctgcggcatg cagcattggt atggaagaca gtgagaaaac aacaagtgga 120
 gagtattgat tcgcatgact tcagatcatg agcaataata tattgttagg aacaaaagcc 180
 aaggacatac tctgttatat atgatggcgg acaagagcac ctgcgtcatt tggttaatgt 240
 gacgtctaaa tgcgtcaaaa ctatatggat tgaacctcg cacttatttt catgtcatga 300
 tgagtgaatg cattcacttg agggctctat actgatctca gatgatacat acccgcatgt 360
 cctatgtcac tcaatctatt taaatattgg acgatcactg cctttcacat cgctgatgaa 420
 gtgagcaaca ttatgcacta ggctagatgc tgaccacggg aaggctaaga cattcgttca 480
 caatacagca ccacg 495

<210> 34858
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34858

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 gcagaatatg atgagccaat ggttgataca tggacggaga tgaaaaagat catgaggaag 120
 cggatatgtc cggctagtta ctcaaggac ttgaaattca agctccaaaa actaaccgga 180
 ggcaacaagg gggttgagga gtatttcaag gaaatggatg tgctcatgat tcaagcaaat 240
 attgaagatg atgatgatgt aactatggct cgatttctta atggntcgac taatgatatc 300
 cgagatattg atgagctgca tgagtttgtt gaaatggatg atctgcttca caaagcaatc 360
 caagtggagc aacaa 375

<210> 34859
 <211> 196
 <212> DNA

<213> Glycine max

<400> 34859

atacaataca caagctagcc gccacggagt ttgcogacta tgctcttgcg tgggtggatct 60
tgcttctaata tgagagagca cgacatgaag agccaatgag tgatacatgg actgacaaga 120
actagatcat gaggaaccgg tatgtatcgg atagttactc aagggacttg aaatttaagc 180
tcctaaaact aacca 196

<210> 34860

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34860

agcttccatc tatgaagaaa ttcaagagga tgttcaaaga gattcaaagg atgtaaaaga 60
ttgtaattaa tgtcttttaa atgcaagtta tggctcttgct tttatagact cttcatgtct 120
ggtcaagaaa atcattagaa gagttataac ctttagaaaa acttgaaaac cattggaagt 180
gttacatctt ttgattttta ttcaaaactt atcattggta atcgattacc aaatcattgt 240
aatcgattac acaaagcatt tttgtgaaag gatgtgactc ttcacatttt catgtctggg 300
caataaaatc attagaagag ttataacctt tagaaaaact tgaaaaccat tggaagtgt 360
catcttttga ttttattcaa acttatattg gaatcgatac cnatcattga atcgatac 418

<210> 34861

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34861

gttggtgcat agaagaagaa gaagttcaga gagattcaaa gcttgtaaag gattgatcaa 60
atgaatgtga aaagtatatt gaaaatcaaa tcaaagcctt acttttatag actcttcatg 120
tctggccaag aagaccattt agaagagtta taacttttag aataacttaa aaccaatttg 180
aaaaagtcaa aaaccttttg aagagttaca tattttttat ttattcagag acaaactg 240
gtaatcgatt accatattag tgtaatcgat tacacagagc ttttgtgtga aaagatgtga 300

ctcttcatat ttgaatttga aattcaacgt tcaaaggcac tggtaatoga ttacaaaaac 360
attggaattg attacagctn tgtgaaaata attggaac 398

<210> 34862
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34862

agcttgccgt ctagctcgcc taggcaagca aggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttttggaggg cccaagtggg catgattgct atttgcaccc ccatttttac 120
taaattgcacc cccttctatt tttttggtaa ttctttttcc gtaacgttac gaaacttcac 180
gactttcgta acgatactta tttccttcgg caagggttac aatccttacg gattatgtat 240
tttctctttt ttagcttttg aagaagttac ggaaacttac ggattgcgca aaaacacctc 300
ttttcgactt ccgccacatt acggaattac acggatcgcg caagcctgct tccttttagat 360
ttctgagacg tctcgggact tcattttattg tgcaacanag gacgccaagt atctc 415

<210> 34863
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34863

tctggtgact gggaagcacg ttattctggt gttttocaga atcgtttctc tcgccaagta 60
tgtgtatatg tgtattatat tcgntgntct ggttggtggt tgtattacgt tntgtgcaga 120
agaaaaaaga agaagtagag atgagagtcg tcatcacgga aagggcagga cggacgaaat 180
cagtgntcta tctttgcttt cctcttatca tagatgagag gtaagtaaag aggggcaact 240
gtcataccct aatttcgtcc ggngattatt acttgatgac atgcaacctt tggtttagccg 300
ctttgagata cttggcgctc ttttgtgcac gataaatgaa gtcccgagac gtctcagaaa 360
tctaaaggaa gcaagcttgc gcgatccatg anattccgta atgtggcgga aattgaaaag 420
aggtgt 426

<210> 34864

<211> 410
 <212> DNA
 <213> Glycine max

<400> 34864

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agcttttcgtc ttgttacagc taaagggtta ataatgttaa tcatgcacaa tgaaagctac 60
gtagaaaaag ctagttgaat tattatttca tgaaacgctt cagcatgtac atggctgctg 120
tgccagtaaa atacaacaac tttacgactt taaagttgta actgaagcac acctaattaa 180
agacctatat aaacatatta attaccttat ctgtttaatg ttttgatcta ataattagct 240
caacacagat caaacatagt cctccccctt gtcattcttg acgatctttc ccttccatt 300
attattccca caaacaagt ctaggttata aagaatcggg aacattgcc aagaagacaa 360
gaaaaccaac acaggcccaa agatccaaag cagaagaggg agtgctgagt 410
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<210> 34865
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34865

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tgtgatgacg acataagttc aagtcaggaa tatatatata tatatatata tatatagcat 60
gttgagagac aaatgtggng aaaagttagg ctggttcttg aagaatccat gccatattga 120
tgctacagag tgaaaggagc ttgttttagt gtagagagat gaagaaagtt ctacgttaat 180
ttggaatatg atttggtggt ttggaaggaga accgtaaaag agggtgcaag agttttccaa 240
cgtgttccag aggcttcatg tgttactttg tcaacatatt ggtcatattc atcggactac 300
agcttttctc ttttaagtaat ggtttgggca atttcacact aagttgggat taagtccaat 360
atcaatacca tacctactag ntacgttntc ggctattgct tctgcacct cttttatggg 420
ttctggaatg gtcaatcccg 440
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<210> 34866
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34866

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 tgctttgcat tggtgaaaac ggataacaaa ggattacttc tttgtgtatt acccatgtaa 120
 aaaagtcaac tttttgatga tacattcatc caaaatttca ttgacaattt cctccaacta 180
 cgtcagcaac aaacatagga aatTTTTTgt tgacaaatcc gtccacagat gccacgcaga 240
 acattccatt tgctttgaca gagatattta atgtttggac taaattgtcg cactttcctt 300
 aaatccaagg acaattnttt tttttatctt ttcagtacta tagtgtaac tcattacaaa 360
 ttcanggatt gaagtgacta atttatactt aat 393

<210> 34867
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34867
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 aaggtctgag agaccataca agtttctctaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
 gccatcgct tggccttagc taacaatcgg agaaggtctt gactcccgct caaggtaaga 240
 gcaaaccgat ccatccacat ggttgcctct tgggtgtaaag agtcgatcac cttactcta 300
 gcctcttttt ccgcatatac ttgggcatac tcatacgca ttctatgctc gtgggcccgtg 360
 gctagacca actcttcttg gtacttggcg atgat 395

<210> 34868
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34868

agctttcaat gtacaaacaa ttagtatata caactcttat agagacagac acaatacagc 60
 agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
 cacatattca cataaatctc atttatgatt acttattatg cacatacctg tcttccatcc 180
 aagcaacact gtacagatca cccaagcagg ttgaatatc tgggggagga ctaggatact 240
 cccaggggca atatgttccc caactacttt cttctgcatt ggaagctgtg gttgcataaa 300

tattgatatc ttcgggaaga agaccttcaa agatactccc agattcacat gcctncagat 360
 aaaatacctg cattaccatc atgt 384

<210> 34869
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34869

ntgcgngtg agcttaccg catgtctggc tctagtcacg gtgcacatct cccactttca 60
 tatcttttgc ttcgtagcca tgaccacat ctccaacca tcaccacctc caattggtag 120
 ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
 ttacgataag tgtgcttggtg tctttaccct gngtttgtaa acttatccct aaccaaatta 240
 ataccaaca atacagggga caagattggg tggactagac tntgtagtat tatatatata 300
 tatataatat tntataaact attcttttaa gtattgatta attaacanaa ttgtgtcaca 360
 ttatataagg aaaaaatatt atatataaat atttattaat aacataaaca ctatgtaata 420

<210> 34870
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34870

tagtaagaag atttcctagt ttatcactaa catattacta tttgtgttaa ccaatctata 60
 tacaccattg ctaacttaga aattggtctg aaaatcagct tctagaagt tataaatatt 120
 ttaaaattaa aaaaaatggt ataatcatat aaatatgaac taaaaaaaca tattgtctcc 180
 attttgaaat aattatagat aaatgttaac aacacactat tacttgatga atttcctaca 240
 acttttaata acaataataa aaaaaagagc tggcctaagc tttctagtgg aactcaagaa 300
 attcacctat taataaagag cttgatgaac agtgbgcatg anagaatggt tatcatataa 360
 gatttcactg aaggattaag aacaatcaat gaatactatc agttntaaag aaaacattac 420
 tgaagtagta gtccattgaa ctatatta 448

<210> 34871
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 34871

agcttttggat gcactagtgc gaaggtatgt atcaacctgg tcttgaaaat caagatctca 60
 tgagcccttt caagaatgga tgataaatga taattctgaa ttgggaaaca taatattgca 120
 tatcatgact acgtgaatgg cttcccatgg ccaccaagat catacacttg cagcttttgg 180
 acaaaggagt ttaagtctgc tcatgcactt ggtggacaca tgaatgttca taggacggat 240
 agaccaaggt tgaggcagtc atcaccctca attcatgaag atcaaggaca agctgctgga 300
 cctatatagc acaaccttaa tcttgaccct aacaacaact cactctcatg atgatgggtg 360
 c 361

<210> 34872
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34872

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 ttgcgaacaa cttatatgta catagtgaat aagtacttat catataagca ctaacgtata 120
 agctatgtta taagttattc agccagatat ctgagatgag atgaatgtgg cttatggaca 180
 catcataagc taattttata agttctctca aacacttaca gaagtgcctg tgttataagt 240
 tcaaataaggc tatcaataag cattttccaa tgcataattat aatttgacct ttnttgagtg 300
 gatcaattac aggaaggcca gctccactgt ggaggagggt gctagaacat gaatcataac 360
 tatgcttaaa 370

<210> 34873
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 34873

agcttaacaa tgttctgtcg tcgagagtca gacgaggcgt ctacctcact cttgacggtc 60

tttatactat ccacgtacta ttctgtttga tcacactgca tccttctaac agctaaaatg 120
 tgacctcact tcatgtgtgc tttatataca ttgcccaacg ctccttacgc aatgcaatac 180
 tgtgtggtaa agtgattgcg agcttcgatt atgtctccat acacaactct cccattgaag 240
 taccaacatg aaaatggata tg 262

<210> 34874
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 34874

tgatggctag tgtaaaccatc tactatacat acaaggcagg attgatatcg cacgtgacgc 60
 tactggagga acactcatat gttgaggtgt gcatagcagg cattacattc gttgctatgg 120
 atgtatgtac tcctggacta cgttatagct gggagacata cagcttttca cccacccttc 180
 caccattcaa aacgctgttt agagtatttt ctacacctga gtttagtata actatatata 240
 cttgaatacc acacccatth atagagcgtt ctttagagcc tgcattgatga tgtatattat 300
 cagttacgaa agatga 316

<210> 34875
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34875

caagacttat tccctagtgg atggcgccctc ctctcccttt ntctncttta tcttctgcta 60
 caactctatg ggtgaaaatc accatttgag gaccttagtg aagctcaaag atccagcctc 120
 agtagaagct tctcaagcaa gcttccatca ngaatgtgaa gtgatactta caagaaagca 180
 aantacagan ggccttgtgg gtgatgagta atgganggtg tagtaaaaga tgtaagtgat 240
 gataaggaag tgtangagag cgagaagtgg ctaaaaataa agagaaaaaa aaatgagtgg 300
 gtgaaatgta gaanananaa atgagaaaag ccaagaaaaa gagaaatagt tntaaagaga 360
 gagttgatga ggtcttagct tttangacta gagtcaaata acgagagaag caaagagg 418

<210> 34876
 <211> 412

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34876

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tgtataagct ttctcaagag gcttctttga taagttagat ccttatctag ccacacctct 120
ctattaacta aattaacctc cttaaaaata attacagata aaaataacgc aacaaataat 180
caaacatcaa acataattac taataatata tagatatata tcagggtggt acaaaccaca 240
tttcagtagc gtcacttttg catcctgcac ccaccaatat acttgacat ccacaccatt 300
ttggataatt tgaaaanttt cctttcgtga atctgttacg aattatgaat gtataaaatc 360
gttacgaatt tgtcattggg atgcgtcaat ataatttttt tttgggtatt tc 412

<210> 34877
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34877

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taatttttct tcaaatttat attaaatatt ttttgtgtaa tattatatta tgatagattt 120
atataattac taataaacca ttaaaaataa ttataattta tttaactaat ttttttactt 180
taaaattcta caaaattatt tttatttaga aatcatataa aaataattgt aaacagctcc 240
ataaataaat attttggtgg taaatattta tattatatgg nttatatttt tataactaaa 300
attagtttaa atatagttaa tattttataa taatttgact ctatgtttag aattttttta 360
ttaaatatat tttaaataaa ataaaaataa ttttgtggct ataatcaa atattntatc 420
tg 422

<210> 34878
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34878

agcattaaaa gaacttgac aaaacaaata ttcaagagac catgcggcat aagtgtttgt 300
gatgtggagc cacacactca gcaaaactac agacttttgg tgttgggatg caagagagca 360
atgttgtag actcgtgatt ctacgtagaa tcgtgaagac ttcgtaaact cgacttcgag 420
aatcgaa 427

<210> 34881
<211> 426
<212> DNA
<213> Glycine max

<400> 34881

agctttatat attatgagga gcaggccaca taatatTTTgt gtgtgtatga tgtatatata 60
ctacatacac aacgtgtaca gtggaaatca tacaagtgt gagattctga tcagaaagag 120
aatagtttgt tagaatactt gggaaactga accttagctc tactcagaaa ggggaaatcc 180
tttgtgaata ggaaaccctt tgaaggataa tctcaacttt gtttctttgc aattcaagaa 240
atactatcaa agcatatttg ttccctttca ttcccttagc attatgctat tctgctacta 300
actttaactg catttaaagc ttgtcataa ctaacaaagt ttatttggtt agattgattc 360
attgagagcc cttcaatcat caaagctcat tcccatgatc tttcgttacc acttcaacaa 420
ccattt 426

<210> 34882
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34882

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gaagaacggt cgaaaccttc acgaaattct tcacggaaaa cgttacggaa acgtttcgga 120
agcgctcgg cttagatttt ttacacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcc aaggggctga accccttcct tcttcacttc ctccctatt tatagcaaaa 240
taagggaggt ggttgccgcc cagctcgccc aggcgagcca ngttgcttcc tccagaagca 300
acagccttct ggaggaatct tctgga 326

<210> 34883
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34883

tgtgatgcct cgttancctta cctatactat anaataactca agctatatgc gtgataacag 60
 gcgcactcat gggccttgga tgtaaatctc tcgtgcgtga gaggttgtgt gatgagctag 120
 atacgtacat agccacaccg ctctaataac taaagcaacc tccttgaaag ctaatacaca 180
 ggatgataac gcgaccata acctacagca gacataacta ctaatgagat agtगतatat 240
 atccgggtgt taaaaaccga acttcactag cgtgactttt gcattctgca cccaccgata 300
 tacttgctca tacacaccat tttggataat ttgaataatt taccttcgcg aatctcggac 360
 caaatatgaa tgtgtaaaaa ccgcacga~~g~~ ttgtcatttg catgcgcca cataacatgt 420
 ttgtcggtaa ctctactaca ttgagcgcg atatatcaa actgagctca tgtgcg 476

<210> 34884
 <211> 483
 <212> DNA
 <213> Glycine max

 <400> 34884

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 gcgaacccaa cagggttttta ttcatatgta tgaaccagac ccacgggttg gcggttagag 120
 ctctgtgttt gacacaccat acagaccttt gtccttccat gcaggagagc gtgcaaaaga 180
 acagactgca acttatgtct gaggcattga cctttgacca cttttaacta atgagaacaa 240
 tcaaacacag tccagctatt atgacctttc cagcagaaga tacaaccctg gatggaggaa 300
 tcaccctaac ctcatatggt ccagccctca gcaacaacag cagcagcctg ctctcttctt 360
 aaaaaacgct gcttgccgaa gcggagcata caatccttgg ccgatcaaac aacagcaaca 420
 accccagaga cagtcattcag ctgacgccgc tccacaaact tccctcgaag aacttgtgaa 480
 gcg 483

<210> 34885
 <211> 414

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34885

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 aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
 tttccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggccagcc 300
 ctcagcaaca acaacagcag cctgcttctt ccttccaaaa tgctgctggc ccaagcagac 360
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<210> 34886
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34886

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 tacaccccaa cttttttttt gtgcttcttt tttcgtaaag ttacggaaac ttatgaattt 180
 cgtaacgata cttgtttttt tttttccgta atgttacgga accttgcgga tttcataatc 240
 antccctttt tgacttacgg aacgttacgg aacctcacga attctgcaac gatgcttcct 300
 ttttgatttt cggtatgtca cggaacctta cggattgtgc atcaatactt tcttttgatt 360
 tccgacatgt cccggaactt cacanaatgc ctaatgatgg gtgccaagca ccacac 416

<210> 34887
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34887

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ttcgctaagc gcaacactca ttggctaagc gcaaggaaga atctggaaga aaatgagctg 120
tacaagttcg cttagcacac tgtttcgtct cactaagcgc accgcttcag tccatcagct 180
aagcgagaaa ggcacgcgct aagccgaaat tcactaatgt gcgctaagcg gtccagaatt 240
gcgctaagtg cagcagcacg aacaaggcca cctatttaag cttgagatca gatttttgtga 300
agggagtttg ggctaggatt cagagctttg catgtctaga gattctagag agagaaaagg 360
ccaatttcag agagtntaa gagatgtttg tgtgtgaaga tctgcagaga ctatagctcg 420
aag 423

<210> 34888
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34888

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tacctgtcgc aagggtttgt ggtttgtgct cctctgctga ccaccataca gacctttgcc 120
cttccatgca gcaacctgga gcaattgagc agcctgaagc ttatgctgca aatatttaca 180
atagacctcc tcaacctcag cagcaaaatc aaccacagta gagcaattat gacctttcca 240
gcaacagata caaccttggg tggaggaatc accctaacct cagatgggtcc agccctcagc 300
aacaacaaca gcagcctgct ccttcctttc aaaatgctgc tggcccaagc agaccataca 360
nttcctcacc aatccaacaa cagcaacaac cccagaaaca 400

<210> 34889
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34889

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cccatgtgga ggaatcattc caaccttaga tggatgaaac cttcacaaca gcttctgcaa 120
taacaacaac atccatactt gcataatgtt gctgggccaac gcagaccata cgtttctgca 180
ccaatcaac aacagcagca accccagaaa ctacgaacag tcgagggtcc tacacaacct 240

tctcttagag aacttgtag gcaaagatt atgcataaca tggcagttca acaagacacc 300
 agagcctnca ttcagagctt aactaatcag atgggacaat tggctacaca attagatcaa 360
 caacagtgcc agaattctga c 381

<210> 34890
 <211> 154
 <212> DNA
 <213> Glycine max
 <400> 34890

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 cataagacaa gtcacctaata caggtgacgg ttagagggtca tttgatcaaa tttgatgaaa 120
 atactttgaa cacattcctg aagacccttg taat 154

<210> 34891
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34891

agctntntat tttcagtaga tgaagatgaa tctgtggcca cctcatggac tcctctaagg 60
 acaatagcat catttcttgc actgaattgt tgggagttag aagccatctt ctgatcaaa 120
 ttcctggcct cagcaggggt catatcata agggctccac cactggcagc atcaatcata 180
 ctctctcca tgttgctaag tccctcatag aaatattgaa gaaaaagttg ctcanaaatc 240
 tgggtggtgag gacagcttgc acacgatttc ttgaatcttt ccaggtactc atacaagctc 300
 tctccactaa gttgtctgat gcctaaaatg tcttttctga tggcaatggc cctagataca 360
 ggaaagaatt tctccaagaa cactctctta aggtcatccc agctgaaaat 410

<210> 34892
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 34892

taagatatta aggatctgag caatttcgaa tagattcatc aaggtaaggg gggctctatca 60
 aattcttgaa cctaacctt gttgtctttg gaaactaagt ttcattgaat gttgttttga 120

tgatcaaaat tcgtagctaa ttccttggat ggaactgtat tatatgttgt gtttcttgaa 180
 attctaaggt taaaaatgag ttccttgggt gtcaaaaactt aagtttagct ttaaatttct 240
 ctaaaatcgg agttttctag taaaagttat gaacaaaaca agtttaagga attttattta 300
 tttttttaga ctaaaactgt catgaaaata aagttggtgt tatggctgta cggactgttt 360
 tttctttaag gttgacttca aaatgagttc ttaagtgtga aatatagtga gcatataaaa 420
 ttatga 426

<210> 34893
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34893

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 actatatgat ttctttgaga ggaaattgag tacaaatctg gaaattgatc tttgagtgga 180
 attccatcct cagcccaggc atcttcccag aacaaaattt gatcaccct acccatcttc 240
 cagcagaatt gtttagagac ggcagtcata ttgtgatctt gattgagtgc ctttaggtca 300
 gccaccagg tggagaaatg ttgnittgtga ggccctgat ccaatcctct ccagccctga 360
 tatttagaaa tcaggatcct attccacagc t 391

<210> 34894
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34894

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 attttccacc atggagatgc agcgaagaa aaaggagaag aggtgagagg aggcgccatc 120
 cactatggaa taagccatgg aagaaagagc ttcaccacca agatgagcct tggataagaa 180
 gcttggacag gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gagggggagc 240
 acgaaattga aggaagataa agggagagaa gttgaacttt gagttgtgtc tcacaagact 300

ctcattcatc anagttacaa caagtgttac acatgcttct atntatagac tangtagctt 360
ccttgagaag c 371

<210> 34895
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34895

agcttactat tattattaga ctaatacaaa aattacaaaa ttatgggaca atgttaataa 60
ttaatgttac actttaagca ttacaggagc tagtaggtca ttagttttac acttggggcca 120
tagccagtca ttaatgttat agttggacct tattggacct tgggaaacca tggttgttat 180
acttaaacad tatttggcct tagttaatta ttggtgttaa actttaacct aattgagcct 240
aacttaatta ttagtgtaac aatgagcctt gttgggcatt aaatagtctt taactttata 300
athtagccta gtagggctct tgacaatcat tagtggtaca ctnggggttta attggacatt 360
ggtcaatcat catca 375

<210> 34896
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34896

ttntactnta ttatttaact ataactttca taataattat ttgttaaatta tacttanggn 60
gaattctaaa tagctattag tggaaataag aaaacatcga tgacatatga aaatcatacc 120
tcattacaca atttcacaga attgttagta tgtttttttt ttggattttc aaggttatga 180
tttatttaga atgtttatat taagagatag acatttctta tcaaacatta attttcatta 240
tgagagagaa ccttgataaa actagtcttc tcactctggag ggtcacgaat cgacactatg 300
aaagtag 307

<210> 34897
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34897

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tggtttggca atctttgaaa tgtcttttat gaatcgcta taaaaccag catgtcctag 120
aaagcttctc actcctttga catttactgg aggaggaggt ttctcaatga catcaatctt 180
tgctttgtct acctcaattc ccttcacaaa aattgtatgc cccaacacaa tgccttcttg 240
aaccataaaa tgacatttct ccaggttaag caccaagttg gactcttcac atctctgcaa 300
caccctttcc aaattcgata gatagcaatc aaaagaagag ccanagatag agaaatcatc 360
cataagaatt tcgatacaact tctccaccat atcgaanaag atngccatca tgcacctctg 420

<210> 34898
<211> 235
<212> DNA
<213> Glycine max

<400> 34898
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aattggggcg tatgtgacaa tcataatgaa ttactaaaca agattgggag ttactttaag 120
gtcattccag atactcctca aactcagaaa atacttccaa aatggtaaca acaagtaccc 180
tccaattaat taatggtatt aatgaagata gtgacacaaa ctcatataac acaac 235

<210> 34899
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34899

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tctgatcatc ctgctttgat aaatgcaaaa aaaaaaaaaa aactgaggca aataaagagg 120
atgagaagga gggagaaacc catgctgtga tagccattcc tatacggcca agtttccac 180
caacccaaca atgtcattac tcaaccaata gcaacccttc tccttaccba ccaccagtt 240
atccacaaag gccatcccta aatcaaccac aaaaccacc taccacacaa ctgagacgca 300
aacggtgctt atcgtggagg agttccggag cattccattg agcattgtat ggccctgaag 360

cataaggtgc aaagtctaatt tgatgcggga tggctacaaa ttgaggagaa t 411

<210> 34900
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34900

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ttaggattta agaaatgtct ggatgaatac tgtattctat tgtggcccaa atggagtctc 120
gtgtctccca tattttccga gatagtaatg tatgcattga tcattaggct aactatggtg 180
tagaattgct ctattatgtg ggaagataaa ctttgaattt ggatgaggtg tacaagggga 240
gatacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg aatggacaag 300
ccttgaag 308

<210> 34901
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34901

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taccatgttt agcttgtagg agtctctatt ttaattgggt accatgtgat cgtgatcgat 120
tacttccttc ttgaaagagt tcgtaggaac gagcaagagc cttttattcc attgaaatca 180
c 181

<210> 34902
<211> 275
<212> DNA
<213> Glycine max

<400> 34902

agcttgcttc tatatggcat agatcaccat taataaaaag ttgcctcctg gccaggatgt 60
acttcattgg acgtacatgc cactaccgcc tgcagacaca ggatcgcccta ttaaccactc 120
tatgattgct ttgagacgaa attgaccact aatccggaaa ttgacctttg agtggaatat 180

catgctcaga ccacgcatgt tgccagaaca aaactcgatc acccctaccc atcttccagc 240
agaagtgcct aaagacagca gttatattgt gatcc 275

<210> 34903
<211> 60
<212> DNA
<213> Glycine max

<400> 34903

tctatctttg ttttaacgca tcatttcaaa gattcgatga tatttttgca tggtaaattt 60

<210> 34904
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34904

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aacccaaata tgatactcct cgttttttat ataaaattca attacttaat ttatcaaatt 120
caaaaaaaaaa ttaattgata tcaataaatt tattttacat ttataacttt tttttaaatt 180
ttccttatca ataatatctt atctcttcta atagtttatt aatatatttt gtttcttatt 240
ttaatgagag atgttttttag tataaaaaata attaatacaa aaaatattat aaattgagtt 300
ttataaaaaa aaataaacat caattcaaatt ttgagtcctta tagataagaa caaaggagc 360
aatgctaaaa gaanaatggt aaagtcacaa tctntttatg cacactcctt attgggtcac 420
atc 423

<210> 34905
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34905

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cagtggcgcg acaagacgag acgccgatg cgcgataatg gactacgccc ttcgtccgag 120
gtcacgacaa ggtcacaaca tattgaaatt tcagacaaac aggggaagtgg gagctcgagc 180

tagggcgagg ttggagtgtt catgaattag cacgcaaaag cttataaacc tcaatgttaa 240
cgacggtggg tcaagaaaaa cgtcattgac attcaaaatt tctacgacgt tgttttcaaa 300
tacaccgtct taacttacct gttgcgtaac ctacatagac gggttaccca atgaacatcg 360
ttgaatgtgt cacgcgccgt gcacatggca cataanaagg gcacatattt atagaaatgc 420
caccgctaatt tctactacga c 441

<210> 34906
<211> 410
<212> DNA
<213> Glycine max
<400> 34906

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aggattccga gttatgggca tccaatgaga gggaggctaa ctatgagttt gaataggagt 120
tgctagtata caagaaggag gttgtcgtg agcatgaaaa agggttgcac aatgctgtta 180
tgcattgccg gatcttcgtc aaggaccttg tcttggtctt ttgtaaccct ttctagcacg 240
tgaatgatgg tgttctactt atcaaggaag atataactgc tgatgaggag acgagcatgg 300
agtaagatgt tggggccaat gtttacgccg atgtttaatt tcttggttgc tggattttag 360
gcacaatggc tatgtaatta tgaaaattct tcgttcgaga atgaatttcc 410

<210> 34907
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34907

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ttgagaatct agtaggtcta gtacccatag aaaactgtaa ccgtagagat atttggtata 120
tagctgtaga gcgtatacaa tagttgggaa agttgtaagg agtagttata gtatgaaacc 180
tttagaaagt gtaaggctga tattaaggcg ttgttttgct gagcataaag ggattcgaga 240
gtgagtattc ttatgtaagg tagatgacct anaggattag cgatgatagt tgtatgatta 300
gtgagataga tcttagttct ctttaccttt aatccgggta aagtctgagg atgctctgat 360

gactatcata gtaccttcca tggactatac gtgtacctgg tcatgtcttg acatgatcga 420
t 421

<210> 34908
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34908

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gtgatatctt ttggtgtcac cctgatacag tgaagttagt caatgcatgt aatttggtat 120
tnttgataga cagtacctac aaaacaaata gatacaaact ctactactt gactttgntg 180
gtgtgacacc aacagggatg acattctctg ctggctttgc ttatctagag ggtgaacatg 240
ttaataatgt ggtatgggat ttaaacggt tccgaggat atttttaaga tgtgatgcc 300
tccctagagt tattatgact aacanagacc tagtattgat gaatgcagtg aanactgtat 360
tccctaagtg tacaaatttg ttgtgcagct ttcacataaa caagaat 407

<210> 34909
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34909

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tatgattttc tattgataat tcatgtctat gattttgtag tgttattatg acatgatctc 120
gaaagttatt gatatgttga aattagaaaa tatttttatt taatttgata catgtgtata 180
tgattcatga gatatgataa attattatat tngatcatg aaattgtgat tgagaatgtg 240
tgtgtaagt atgaattgtg agatatatgt gtattgagat gtgagctatg aactctacaa 300
tcacacaatt gtaagagcct ttaagagcga tgagttaatg cgcgataagn nttgtatgag 360
ctctactgtg ggaacccgat gaagttaatc aat 393

<210> 34910
<211> 424
<212> DNA

<213> Glycine max

<400> 34910

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aaacacgctg cccagccttt gttaaccatt ggatcttctc gaaatttggt ttgcgacttc 120
acaagacact tgtccatgat ctgaccgttg ctatctttga gaagatgtct ggagtgtgct 180
agaagcttcc gttcccgaga gcatctctta ttttaagcatt tcagcctttg ctttcgtgta 240
gcttaagaaa aacgtcattt cttcttcttt ctttcttcca aatccatttc taaagttcca 300
agaactttct ccatcaccca cagccaccat tagccaccac ataccatcgt tgggtctccac 360
accgagagga acccttcaac cgaagcagaa tcttccaact tggcttggcg gttcggtaga 420
gaac 424
```

<210> 34911

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34911

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agcttgcttc tacaatctcc ccctttttga tgatgacaac cctgaaatca agaaacacgg 60
cacacacttt ttcttagtcg atctctcact taattctcca tattctcccc ctttgttttt 120
gagtttatgc ttcatttgaa attaaagttaa tcacttatgt gagttcttga tttaatccct 180
atttctgtcc ccctttggca tcaacaaaaa agccaaagtg cgtaataagt aaaaaatgta 240
catacactac taatcataca caagacattc attaaaaagt ataaaccaat catgaagcaa 300
gaaacatgaa tagatcaaat atataaaaaa aatatagtca tataacataa ttcataattg 360
ttcaatcata ccatgcaaat aanagaaata ctanattgtt canatgtcat aataatatag 420
attatttta 428
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<210> 34912

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34912

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 tggggaaccg attatggaaa tggaaacacc actagagggt cggttggcac aagcgttggg 120
 catgggccac caggacatgg ataggtggac tatacatgat ggaaggaatt ttatggataa 180
 gtgcacactt tataactatt tttagaccat cattaatgac catattaact aatggatgga 240
 taattgtatt aaccttggaa aaaatgtgac aattgatgaa cctggtgtct ttatcattaa 300
 tgaatgtatg aacctaattg ctttgacagc ttatgcgtat gtagatttta aggganggta 360
 tttcaaaatt ttcatagaaa taagaactac catgatcaaa taagtgggca ataaggttac 420
 ataatctacg acatatagaa gtcaaaaaca tgggtgcacag aagtgccaaa ag 472

<210> 34913
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 34913
 agctttgaga caattcaaac gaccataacc ttttactcgg atctctaatt gagggccgta 60
 acatatcgag atgctcgaaa ttgaatgtgg aatctctgag ccattcaaaa cgaccataag 120
 tttgtactcc gatgtctgat tgagtcctcg gacatatcga gacgctcgaa agtgaatgtt 180
 gaagctctga gccaatcaaa acgacaata 209

<210> 34914
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 34914
 tcaacattca atgtcaagcg tctcgatata ttatgggact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt ggctcggagc ttcaacattc aatttcgagg gtctcgatat 120
 attacgggac tcaatccgac atccgagaaa aaaattattg tcgtttgaat tggctcagag 180
 gctcaacatt caattttgag cgtctcgata tgttacggga ctcaatcaga ca 232

<210> 34915
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34915

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agctntagca tatcgtatca tatggtttcc ttcttcaatt gccttgagtt gcttcatttc 60
tggattaaat ccggcgatct gccgtgaggt ccaagttctg caaccagttt cgttgagtca 120
ggaagtagca tatgctaggt tgcacgaaga aaagcagaac gatgcatgaa ggacatttcg 180
accttcgtca gttgtaggag cttcctcaag ctctcgacca tcgctattac ccactccatc 240
caccaacccc ccactgttac caacaccggc acaaacagct tcttccagca ttccattcaa 300
gagactaact ccagaagaat tggccttatg gcaagaaaag ggactatggt ttca 354
```

<210> 34916
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 34916

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gtcctgctta tcggagcaga tctgccttag atgcaaggga tgggtgctaa gcgcttgaga 120
ctcgcaactt agcgcatgaa tagagatgag cttagcgaga ggcttgtgct tagcgaaagg 180
actatttttc agataaaaaa tctctaagtt attcttcagc cctttttcct tgaaattgaa 240
acccttatgt taagcattca aagattggct gatatactcc tatgtacata ttatataaca 300
agttccacat gatttacatg cataaaaag 329
```

<210> 34917
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34917

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agcttgtaac atgagctgaa gcataagaaa gattcttctt ataagttaga tgctgcggcg 60
aagcttgatt gcttgattga aacctatgac tgaaactcat ttgactgtca gactggaaag 120
ggctccctcc tgatggagta gatgcttcca aatacaaaac ttgattgaat tggagcaggt 180
tgcatacctg tgtggaggta caggctgctg ctgccggagt gaatgaaatg cgtagttgat 240
gcactggagg ttaattaaaa cattgaatga gaactggcag aagcaacaga cgcagtggat 300
gacgatgatg tactaaatgt ggaaccaaat gcacacttgg cgggctgcct actaaagtag 360
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aacttggacc acattggagc taacacatta tacc

394

<210> 34918

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34918

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ccttaacccc gattttgggc caaggcagag ggcggctttt cgcaaaggct attaatgaaa 180
aagtttggtt gtaatgttgt aaccaaattg tgccctaacta ccaccgagtc aagatttaga 240
atatccaagg ctgccttccc aaacctttcc atgaaagacc gcactgtttc cttcttttct 300
tgttgctaac ttactaagga gaccaacacc atgtgatgtt gactagtgtc aaactgaagc 360
ccaaacctca tgggctcaaa acagtnatg gatcctcgtg gagtccagtg aaccaactca 420
cagctgtttc tttgagtgat n 441

<210> 34919

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34919

agcttgcttc tacagataac acatacacgg ttactctaac caaattgact tttgaggttg 60
atgtgtgttt gtgtttcatg ctgtcaattt ccaggttgtc cttgtaatat aatagtttgt 120
gaattggagt ttgtgtttat agcaagagaa tggatgagtc aacaaacagg cataatgata 180
atgtgggtgt gaacaaaatg gggaaaaaca ttaggaagac caaaagagac cagcccaatt 240
atggcatgaa caacaacagc aacatgaatg ggggtagaca gcaacagcaa cacaacagc 300
ctcagcttta caacatatcc aaaaatgatt tcaaggatat tggtcagcag aaaaaaaaag 360
ttgattacga tcaactcctaa ttntaacaaa cataaattat ttatatttca atattaacac 420
atgtatg 427

<210> 34920
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 34920

tgccccaacc ttgggaatga gctatagaaa taaccaatat aactccctct agttcagctg 60
 aaaagaaaga aagataccca catataaaat atatcctcct aagaaagcac cagagtcac 120
 atgagataac ctacatata taagggaacc ctgaaatgat ttactagcc ttacgtgcat 180
 gaatattgat gttaaaagct ttgatgacct gaaactcact caaagaggat ctcatcacgc 240
 ttaaagtaag ataaccagcc ccaagcaaaa tatgagcaaa cataatgac attgcttgct 300
 gctatgagac aaaaagatta tgaaagtagg cttgattgtg gcaatattag attgccccaa 360
 ccacaaagat aaaaccagca agaacaacat ctttagcatg cgggcaaca actgccaaca 420
 tccaggataa gatcaatagg 440

<210> 34921
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 34921

agcttcacgc tgctcaattg ctccacgttg ctgcatggaa aggcaaaggt ctgtatggtg 60
 gtcagcagag gagcacaaac cacaaccct tgcgacaggg acagatttct gattcaaggc 120
 cagctgggtt accaagttaa ccaatgcac cagatttcct tcaagcttct taaattcaga 180
 tgatgcagat ggggtttag ctacctcatg cactactcta atgactatgg catcagttat 240
 ggcgctaaac tgctgggagt tgg 263

<210> 34922
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34922

agcttgccctg ttgtgttttg agtactgtaa taggggtgtt ttacagttcc tttgaaaaaa 60
 ccttgaaaat gagatgttgt aaaagttatc tttttataaa attgatgtta ttttcctgac 120
 cttcgttgaa ccccgatcac attggcgaga tcggaatttt aaaatgacat ctccttgtag 180

tagaatctga aacactcctc agtcctttat gttttgacag gggtaattga tcctaaatgt 240
 tggtattaac cttatttttt aaatatatac taaatttcct tcaatttggt atataaaacc 300
 ttgcgtttgg attgacaaac 320

<210> 34923
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34923

tataagaaca aaatttcctc aatcatatcc aaatacgcac gctaattang aagcatcaac 60
 aagaatcaag ccaaggctat tgtgcangca atcaatgggg gcaaaacaca ccaaattgatt 120
 atgatgatgg atgggtcaaa ttctcacaca ggtaaactca tcacttttaa attgagcttt 180
 caaaactatc atgacatgta gaggagaatc aaggatttca agtcacaaca tgtcaaaaac 240
 ttttat 246

<210> 34924
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34924

agcttccagt agtttgagaa taagcaaaaa cctcaatccc caacatatat aaccttctct 60
 ttctgctggg ttgtgcctct tctgctatg cgtcttcttg ctgcataaca cctcttcctc 120
 ttctcttcg atcatcacca cttcacaatg tcgtcgaagt tcgacccctc ccattgacgt 180
 cttcatccgc ataaccgatg gcgagggttag tgcgacgagt tccctcccag agcgtgagaa 240
 tgaagagaag ggttgagagt cttgatccgt cgagcgtgaa gatgagcata agaagagaaa 300
 tgagtgaggt tttagggttg attcanaata acatcattct cgagcgtgac aatntttttt 360
 aacgtacaca acccatttca gc 382

<210> 34925
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34925

nntaaatttg aattaaaaa ttcagaaaact gctggtaatc gattaccata tatgtgtaat 60
cgattacata gtgcaaattt tgaattcaga ttttaatagc tgttattaat cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagtaaatt tcttgaaaaa 180
gacttttttaa cttaaatttc ttggccaaac cttttgctac ttcaattgga attcccttcc 240
tattaaatat accctttcta agactctaga gactatcctg atcatccatc ttgaatatct 300
ttaattcctt tgtcttgaat aaagctttga gacgcatgtg aacctttggc atcatcaaaa 360
cattcagctt gatcctttgt ctacatat 388

<210> 34926
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34926

tgcttcagga tttgaaagtg agacatttcc tcaacatggt ttcaaactca aaaaagccct 60
atatggactt aagcaagctc ctagagcttg gtatgaaaag ctaagttcat ttctcttgaa 120
aatggctttg agcgaggaaa gggtgacaca acactcattc acaaaaacta tgattctcag 180
tttttattag tgcaagtata tgtggatgat atctcatttt tagtgctact aatgaaattc 240
tttgtgaaga tttttctaag tagatgcaga ctgaattcga aatgagcatg atgggagagc 300
tgaaattctt tcttggatta caaataaaac aaacacccan aggcattctac attcatcaga 360
ccaagtatgt gaaagaatta ctgaanaatt caacatgggt gtcgcaatat agataaag 418

<210> 34927
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34927

tatcctgtaa ctaccaagaa ccatctggta atcgattaca gcctgttgta atcgattaca 60
aggctcgtt ctatggattt ttgcatttaa aactaactat ttttactca caaacctac 120

acattgagta taacaatcat taacaacaat caacaatcaa aatatacaat taaaacaagc 180
atcaaaactc tcaaacacat tcatcaagca caatcaaaat tgcaaaagac aattatcaac 240
aacaatcaac actcatcata actatcaaaa cataatcatt agagacaatc aaaactcaaa 300
caaagacaat cattaatcca taatcaacaa taatcatcaa aagcaaactc aattatcaag 360
aacaatagaa canattaaca atcatatgat aagagataat aatcaaccaa gttaactatg 420
tatctaagtc a 431

<210> 34928
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34928

agcttgatca aaacaattat ctaatcattc caatccactc aaatcatata gttgctcatt 60
caaatcattc tcaaacactc atttcataca aaacaatcca ctgcatatca atttcaacca 120
attcactggt caaacacgct ttttgtacaa gcaaacaact cagagtactg aaattttaat 180
aacttgaaat ttaaagaatt gaaacataca aattgaaatt taaatgactg aacataaatc 240
ataaaataac ttanataaac taaaatgttc aaaatgcaca aattttaaag tccttctcct 300
gtggttgctt ctttgcacgc tcattaagat acaacatctg 340

<210> 34929
<211> 322
<212> DNA
<213> Glycine max

<400> 34929

ctgcggttga tttacggata gcctctgtgg ataactgggc ggtgggtaag gaggaggatt 60
gttattggct gagtaatgac attgctgggt tggcgggaaa ctcggccgta taggaatggc 120
agtcacagca tgggtttctc cctctttatc accctcttca tttgccccag ctttctcagt 180
cgtcctaaca cgatgatgaa atttgcctct gttcggacct acatcgatgc tttcactggc 240
gaagaccaa ttcgccaagc ttttgagggg gcatagccca ccatcttttc atagtagagt 300
accgataatg tgtctacat ca 322

aatctacacc tgttgcaaga gtctgtggta tatgttcttc tgcagatcac catacagatc 120
tatgtccttc tttgcagcaa tctggagtca atgagcaacc tanagcttat gctgcaaaca 180
tttataatag acctcctcag cagcaaaaacc aacaacagta gaataattat gacctttcaa 240
gcaatagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300
aacaacaata gcctgtccct cattttcaga atgttgctgg tccaagcaag ccatatgttc 360
ctcctccaat acagcagcag tcacaacana gacaacaagc aatttcaacc ttccttagaa 420
gagttagt 428

<210> 34933
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34933

taacctaaagt aagtaagtaa gtgaccaatg taccatggag aaatccctga tcttcatgaa 60
gtgccactcc ttgattcana ttaactgcga gccgggaaga gttgtccacg tcgttggggtt 120
gaatggaaga acaaggaaga tgggctaggg ttcaatttgt aacgaagagg gtctagggtt 180
caagttgtac gagctcgagg tttcaaataga ctaagctagg gttcaaattg taacgataaa 240
gggcttcaat gcaagggtggg agctgaggct ctgctattcg aacacgtggt tgtatttttc 300
cccaattacg acggtcttta acttanacct gccacanact ntattgcatg taacattcta 360
anggcgggtt taataaccgt cttggaatgt gcacgtana atgtaattnt ttttacaatt 420
attacaaaaa t 431

<210> 34934
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34934

agcttggcac tatcaacact ataaggcana ttcccaaat aaagcttggg ggcagaggaa 60
tcagagtctt gttctgccac cgcttctcct tcattctcct ccactttctc ttcttcaact 120
aaaccagcac catcatcatc cacaacaaca acagcctctt cttgtgcaac agcagcagaa 180

attctaggtc cccacaactt gtgogaatta atggacaaag gttccaccaa gtgtgaccca 240
 aacatgccac ggtttgaggg cactgttggt atgagagggt ctattatgga gcagttcttg 300
 gaggaacgaa gacatttgac actgttaata gaagaagaaa acaaggaagc tatgcctgca 360
 gcagcagtgg cagccatggt gttgttggtga tgtaatgcaa ctcanaagtg tacattacaa 420
 gt 422

<210> 34935
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34935

cttgcgcgat ttattctttt gttctttctt gtgaaatttc ttttgtaaata ctttgtatag 60
 atactaagct ctcaaaatac ctcgtaaatac ttacagagaan aagactaaag tattgagtga 120
 tatatatatta tatgtaagac gatcatgtat tagtcatggt gtanactttc aatgaatctt 180
 ggtatttttt tt 192

<210> 34936
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 34936

agcttggagt tggtcttaata ggatgaagag aatgagggag ataacgagag aggtgggagc 60
 acaactatga tggaagcaca atggagataa gctgaactct aagttgtgtc tcacaagact 120
 ctcatcctac caagttacaa taagtgttac acatgcttct atttatagac taagtagctt 180
 ccttgagaag acttcttgag aaaacttcct tgagaagctt ctttgagata actttcttga 240
 gaagctagag cttatctaca cacacccatc taataactaa gctcacctcc ttgataagct 300
 agagattaac tacacacacc cctctaataa ctatgctcac ctcccttgaga agagaagcta 360
 gagcttagct acccaccctc ataataagct 389

<210> 34937
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34937

gacactatac aagctcatgt gactgtgtgc aaccacaaat cttacattga gtatcctctt 60
 tgatatgttc tacaatagaa tttgcatgaa tttctaattg tcataacata ttattcatgg 120
 atacgatcta ggcatcctt ctttctttac attttaagcc attgaccaga caactatccc 180
 aacgtatatt attttataat ttgtaagccc tttgagccaa acacttgata tttttggaac 240
 actaacctan gataa 255

<210> 34938
 <211> 74
 <212> DNA
 <213> Glycine max

<400> 34938
 ttgtagaggt taacgaaaca acgagatgat gcgctccatg acatgctgtg tcagatggat 60
 aatcgagacc atat 74

<210> 34939
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 34939
 cgtgatgacg acataagttc aagtcaggaa tatatatata tattatatat atatagcatg 60
 tcgagagaca aatgtgggga aaagttatgc tgtgtcttga agaatccatg ccatatggat 120
 gctacagagt gaaagggact tgtttttagtg tagagagatg aagaaagctc tacgttaatt 180
 tggaatatga tttggtgttt ggaaggagaa ccgtaaaaga ggggtgcaaga gtttttcaac 240
 gtgttccaga ggcttcatgt gttactttgt caacatattg gtcattattca tcggactaca 300
 gcttttctct ttaagtaatg ttttgggcaa tttcacacta agttgggatt aagtccaata 360
 tcaataccat acctact 377

<210> 34940
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34940

agcttatata aacaaaattg ccttaatcat tcccaaatat gcatgtgaat taagacgcat 60
 caacaataat caagccaagg ctattgtgag agcaatcgat ggggcagaac acaccaaattg 120
 attataatga tggatggctc atattctcac agaggtataa tcatcactct caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca caatgtcaag 240
 aactttttatt ttcaaaacaa ttacccattt cttgaacata tactataatt cacagaacaa 300
 catgcaaagt cgtacgtgca cactaaaatg acccatagta ttagactgaa tatgcgacga 360
 atctaacaac attaacagat taacacaact aacaaat 397

<210> 34941

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34941

tcgaanagtg tcgcattgca ccttcttgct aagccaatct actgtcttat cgagcgtncg 60
 ttaagcgcaa cactcatgag ctaagcgtga ggaagactct ggaagaagat gagctgtaca 120
 gggtcgctaa gctcagcgtc tcatctcact aagtgcaccg cttcagtcga tccactaagc 180
 gagatagaca cgcgcaaaga caaaattcac taatgtgccc tgagcgggttc ataattgcgc 240
 tcagctcatg agcacgaaca agggcactta ttaagcctg aaatcagatt ttataaagag 300
 agttcggact gggattcaga gcgttgcatg tctagagatt ctagagagag acaagtcгаа 360
 gttctagaga ggtctgagag 380

<210> 34942

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34942

agcttacata gccctaattct tanactgatt ctaacaacat aaaaacccta aaaatctaaa 60
 gctacaatta aagtattcta cccttgagtt aagacaagaa aaggagaana aggatcaagg 120
 aacttacttg gatgggtgat gattgatgct tcaaagtcaa aaatgcacaa agagcgtaca 180

gatgcaaaat gtgcaaattt ttggagagag agaatgcaga ggcgaggtat ctgtaatctg 240
gaaaatgtga gtgtaactgc tgttccactc acttaagcag attttcgata ccttcgctta 300
gcgaaccggt gcgctaagcg agcaagatag acgtttgggt tctcaaccaa gctcgccttag 360
cgagcatgtg cgcttagtcg acgtttcaaa ttcgaaaaca attttttatt tttta 414

<210> 34943
<211> 428
<212> DNA
<213> Glycine max

<400> 34943

tcaggctatt caattgctcc agattgctgc atagaaggga aatggtttgt atggtggtca 60
ccagaggagc ataaaccaca gagtcttgcg acagggtacaa atttttgatt catggctagt 120
taggatacca ggttaaccaa ggcgtctagt ttaacttcaa gcttcttagt ttcagatgat 180
gcagatgagt ttgtggctac ctcatgcaact cctctaata ga ctatagcctc atttatggcg 240
ctaaactggt gggagtcgga agccatcttc tcaattaaat tccctggcttc agcaagggtc 300
atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat gttactgagt 360
ccttgataaa aatattggag aagaagctgc tcagaaatct ggtgggtgagg gcaactggca 420
catagttt 428

<210> 34944
<211> 423
<212> DNA
<213> Glycine max

<400> 34944

agctttctct ctttataata tgttgctcact ggcattccat accgccacaa tattattatc 60
atgagtgatc atacctctag aaaacggcca tgtgagttat gaatcattgg gagtagttat 120
tagagacccc tagatactat cctataggct cctaaaatag gggcacggag cgaacacgct 180
gcgtgccgtt ttaaactctg ccatgcatgt agtcctaaat gtcataatcg cctttgcttg 240
taattattta tggatattgt cgtactctgt gcatccccct gttgcgcttt tgcgcatctg 300
catcatgcca tcaaacatgc attgtgtgtg ggtctcgtct ttttcgcggg aaagtgaaag 360
atccatatcg tcttcttaac tgcacacatg gtgcactgca ccccaaatg cgccagtagg 420

<210> 34945
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34945

tgtagaattc accccaattc cagtgtccta tgctgacttg ctcccatatc tacttgataa 60
 ttcaatggta gccataacct tagccaaggt tcatcaacct ccatttctcc gagaatacga 120
 ctggaacgca acgtgtgctt gtcacggaga agccccggng cgttccattg agcatggtag 180
 ggctctgaag cgtaaggtgc aaggtctaata tgatgccggc tggctg 226

<210> 34946
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34946

agcttttcga ttcattctat gtgcccgtag tgggccacat tgtgtttcgt gcatttttat 60
 tctcattntg tttacttttt atacccccctg ttgacatgct taagccattt tacttaagtc 120
 atttctcgct taacttaaaa atagaataaa tttccaccga acgtttgaat tgtattatcc 180
 attaacttcg gtcaaaataa attccgaccg ttcggttggt ccgtaaccac gttggaaatc 240
 aaaaagaggt aaaaaataat ataaataatc aaaaaatatc ttttttagtaa aataaagcgg 300
 aaaatcaatc ggacgttntc tctttgggat tcctcattct taatcgaatt gattaataac 360
 taaagtgaag ctaaggctaa aatcaactcg cctagtcaag ctc 403

<210> 34947
 <211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34947

gtggaaatga tttctataca aaagttagtc gtataaagcg actaacacta ccattcctac 60
 atgggcaaata tntccaccag ctccataata tcaatactca gccaatatca gcccttctca 120

ttaccacca ccctatcaac caagaacacc caatcatcca caaaggccac ccctaaatcc 180
ctatatacca aacaccacgc gaaacactaa ccaatgaagg aagtttctaa ctaagaagcc 240
tgtagaattc accccaagtt cggtgtcata tgctaactta ctcccatatc tactcaataa 300
atggtaggca taccgcgagc caaggatact caaccttcat cttctgagga tgcaactcag 360
acacaacatg cgcttatcat ggagg 385

<210> 34948
<211> 335
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34948

atcttggtga gtgggtcttg ggcctgctga tcatgtgtgg gctggctctg tattttgagc 60
aatcaatgta aaggtgctta gtttgctcat gaaacacgag attggccgct atgtggagaa 120
tgctttgatt atcacaatat ataacaactg gatgggagca attgatatta aatcattgag 180
aagataggtg agccattgaa actcacacgt ggttgaagta agagctcagt atttagcttc 240
taatgataaa tgtgaaacaa taccctatct cattgatttc tatganacca aggatctgcc 300
aatgatgaag caatttctgt gatggagtgt gacag 335

<210> 34949
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34949

ntggacgcgt ttaaagggtt taatgctaaa gtagagaaac aatgtggaaa ataaattaag 60
attgtgagat tagatagaga ggagagtatt atggttaagta cacagagagt ggacaagcac 120
ctggtccatt tgcaaaatct cttaagaac atgggattgt tgcccagtac actatgtcta 180
gttctccaaa ttagaataat gtggcagaaa gaagaaattg aactttaatg gacatggtaa 240
gaagtatgag gagtaacaca aaacttcctc agttcttgtg gattgaaaca cttaagatga 300
ttgtgtatat atttaataga gttccaacca aggtgtctc aaagacacct tttgagttat 360
tcaaa 365

<210> 34950
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34950

agcttgtaat gtttggtgcc agcagcattg aaggattcaa tgaattcaac attgttttcg 60
 aatatcagga aacgtttttc atctcagcag aatccttgta tactttacca tattttttcca 120
 tccactgctc atgtcttttc tagatggatg catcatggag tttgcgggac tttacttggg 180
 aagtgc aaat tgagagaagg agaagtagag ctaaaacttt cagggtttttg ccaatggaaa 240
 tcactctctt gtttagcaatt aatgacacta cgtactgatt aattgttgct agagaaactc 300
 tattgagttt agtgtttggg gctagatgtg taaattggta tgctcctaag gcaatgtttc 360
 gattagtata tataggatta ttgtcccttt aagggganna tatttaatct tagtcagaat 420
 gaaact 426

<210> 34951
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34951

tacctggtca tggattggca tgagttgtaa ggaaagatcc atagccaatt gtcaatatc 60
 ttaatgtgat aataatgtac agtatccatt tgggtatagt tatcttaaag tagaagttct 120
 aaccatgatt aaaagaacat caccgaagat aattagcatt acagtgtgca gaataggata 180
 aataatagtt acttttgctc cggaatatat aatttgttgg tccctaaaaa atgaaaatat 240
 aaaaagtagt ctctaaaagt gtaaaaagtg cgacaaatat atattcggtt attaaactcg 300
 cgaccaccgt taataaaata gctacgcga tatagagaaa cgaattagtc actaaaataa 360
 ctgccaacat gatcatcttt aattgtcagc ataaggacat atntgtcata taatatttct 420
 ttgacttttc atcttctcac 440

<210> 34952
 <211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34952

agctntgatg tgtgttgaga agaaatcaca tgtttgtcat catcaaaaag ggggagaatg 60
tgaatgtatg tatacatgat tttgatgatg tcaaaagaag aatcatataa ggctcatttt 120
gcttcaagat taatacaaga ttttttcaac aaacaaagcc ttgattcaat atttcttcaa 180
gatcaagcct tgcctcaaaa tgtagagatt tcaagtcac caaggcacat gtaatcgatt 240
accaatacat gtaatcgatt accaaggcac atgaaagtgt gtaatcgatt acacatcata 300
tgtaatcgat taccagagac tctgaacggt gggaattcaa attataactg tgtaatcgat 360
tacacaaaca ttgtaatcga ttaccagtg aaagttttag agaatctgcc aacagtcaca 420
tcttttcatt a 431

<210> 34953
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34953

cttgattgag ctaagatcac atgttggtat tagttaaaga atgatgatat gaggaagtgc 60
ttagacaaag taaatcacag cttcaaactc ctcgattgtg aagatcttta gtcatacgtg 120
agttgtgtta ctttcttgag tacaagaagc caccttactc atgcaaaca gggtttgcgg 180
aaaggattga tcaagctgag tctatctata ctcttggtg tgtgtgtatg gntctacaca 240
tcttttattt gtgcatgaat cattgaaagc aagctagaat aagtgtttct agtctggact 300
atgggtaggt ttctcttagg ctcttattca caga 334

<210> 34954
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34954

agcttcaaag taaggaaaca tgcttatggc taggaatcca aaatttggtt ntaggattag 60

aaaagcatga aaatagggac ttttttgtaa ggatttgagc tgccccgtga ttggcacttt 120
gcacctaagt aacgtgggag atgctttttc aatgggtgtg agatatatgt gaatatatgg 180
cataagaata tgttgcaaag tgtgtgaata tatggcatga aaataccttg caaagtgaat 240
gaatagtaaa taatgcattt caaaaatgta tatttgtgga taggtagcgt aaaaatacct 300
tttaaaaaat gtatatattt ggataggtag cgtaaaaata ctttttaaaa tatgtatatt 360
tgtggataag tagtataaga agtctt 386

<210> 34955
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34955

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agaagaatgt ggcatttaac tgggggtgaaa aacaagagca agcatttgat ttgctcaaac 120
aaaagcttac taaggcacct gttctagctc ttctgactt ttctaanact tttgagctag 180
aatgtgatgc ctctggagtg gtagttgtag ctgtattgtt acaagggtggg caccctattg 240
cttattatag tgaaaaactt catattgcc a ccttcacta cccacctat gataaagagc 300
tctatgcctt aa 312

<210> 34956
<211> 368
<212> DNA
<213> Glycine max
<400> 34956

agcttcgggt gtggttacat tgacgtccct cagcttggtg cactctttcc cgaccttgat 60
ggacgacgtg ttgaactggt acttgaccgc ttgcgccctt tcaagattca cctttaaagc 120
ttgcacctct tctctctgct catgggtttc aacctcttcc tcaattgaga tctttagctt 180
ctggagccaa gttatctatt gtgatctagc cttcagccac ttgtgataac cactgatgac 240
cccatgctg catccgctaa gctgcttacc ctttctttgc accgcacttc atgcttttcg 300
gacactttga aacgtccttg cattaggggt actacaacct cgtgcgatga aagggtgtgac 360
actttctt 368

<210> 34957
 <211> 79
 <212> DNA
 <213> Glycine max

<400> 34957

gggtgcacctc ttataccata tttcttctgg ctcaactgaca tagagggtgcg aatcgatcta 60
 ccttctccta cctgctata 79

<210> 34958
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34958

agcttgccctt gactctctac atgaagcatg gcttgaaagt caaccttcaa aggcgcgatg 60
 cttcagaaat tgagaagtac ttcaaagttt agagaaatat tattgaatat tgctaattaa 120
 tattgttatg atttatatgg ggtgtcagaa ttatttctat acgtttttca attacaagta 180
 aggcttgatg taagtaaaca tatatactag gggatgcata atgttaatga agtttattca 240
 gtgtgttatt tttaaaaata aaattgaaga tgtagtttcc taaactataa atatatagat 300
 gtaactctcg taatagttat aataatattc atatcttgga attacataag gtgttaagca 360
 taaaaaaatt aataattaat atgaaataaa tcttttcaca tatatagata agtcatatac 420
 act 423

<210> 34959
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34959

tccctcctgt ngtgcaagtc cacgtagttc aatggaccct tccatgatct aatcctagac 60
 catggtagct tggttgacta aggtcaatgt gggatcatgcc accaccaacg gtcaaaggat 120
 ctctgtcacc gccatctctg ttgggtcaagc caccatcacc ttcttccctt gctgctggtc 180
 tccgctcaac ggcagccacc actcatcaat ctctctctgt catcatccac catggttttt 240

cgccattcaa actgcgaaca aatagatgca gc

272

<210> 34960
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34960

agcttctaata gaagtgtgga gacccaaaat cattcatact tagacgaaat tgtcataaag 60
tgatagaagt cactgagaca cgccgataaa ggacaatgac aaaataggcg tctagaaagt 120
gcttcactag aaaacgaacg gcgagctaaa ggcgatggcc aaaaaacacg ttgaanagag 180
acaacgatag aataggcaat caaaatgatt tgttggaaaa tgaacaacaa acaaaaggag 240
gtggcaacca tcgtagagag agacgaacaa aaaatcatga accaataaag tgcataatnaa 300
cgtgttttcg tagtgggtcc aactaaatga tcatgtatgt atggngacaa aactccaggt 360
gtaggagcaa ccattatggg cgaccaccat gctagaatga cagccagaca ccagaaaact 420

<210> 34961
<211> 422
<212> DNA
<213> Glycine max

<400> 34961

tgtaaaaact taagtctgaa atttctctat agataatgaa catttatggg cagaccagac 60
caacatcttt tcacaataca gtgtttctga tatttttgac tcagaaattt ccattcatct 120
cattggaaaa gtccaacca catttcaactg tatattagat tcaacttctt gatatcatgt 180
gctaacgaag cacaagattt agactcatga tattgagttc gggatactca gaaatttaat 240
ctacaatggg cattttgttg aataaaaagc aggcaaaaat taaaatgaac aaaatcatgc 300
caataataac tatagaacat tagacaacac tgacaaactt agtcgcatta gccactaatt 360
gaataacaga gcttagttgc aaaatagtag taagccaata aacatacaca gaactagaca 420
at 422

<210> 34962
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34962

agcttggaga gcaagtcttc cttagtattg ttttccttg gtatgtggta cattttgagc 60
aattgaaatt atcaacaagg gtttttatga catgatagtt tatgaggaga accacttcct 120
tggctcgata tatgttttca acccatcctt ggacaagttt cgagtcctta tagcacctga 180
gtttccttgc tcgaacttca tttgccagtt ttagacctgc tatgagtgtt ttatatattg 240
tttcattgtt tgatgccttg aagtcaaatt tgagggcatg ctccanagtg acattgttgg 300
gtccttcaag cataatgcc gccatcttc ctttcacatt ggatgcacca tcaacataca 360
agttccacca gtt 373

<210> 34963
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34963

tcacaaaaga aaagtggata atccacatat tacaaaaggt tgacttccac attaccatcc 60
cccacaagga aacttgcaaa caagttnttc tcaatagttt ccctctcacc atctcacaca 120
atccttctaa taacaatagt aaacaagaaa agtgtcaatg gatcaccttg tcttaaaatt 180
ttttgagcga aaaattcata agtatttcag caacatcaaa tgggtactga tgtcaaacad 240
cccttaatcc aatgaatcca cttctcatca aaaccaacc tcttcatata gaacaagaaa 300
ttccaattaa tcanataata ggttnttcat aatctaaact aaagataaga ctntntcttt 360
ttccttnttc tttatcaatg gtatcattca ccgccaacac actatgaagt angaattttc 420
tcccaa 426

<210> 34964
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34964

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accagatact cgtgtgccct atttcataat aattaattag ttcttgtgaa attccttgag 120
gatagatcaa aaaggcataa attcagatat gcttactggt ggggcaagac catcatcatc 180
cagcttatca taagaacccat gtctcattcc ctgaaaaatg aaacttggtg agaaaccacc 240
aacaagaaac caatactctt ttccaaataa aaattgttaa gcaagaatag ttatttgcta 300
ccaaacccaa atttctcacc atggtgttag ctctatcagg acggccacaa tcttctttga 360
ccagggttcc catcttcttc tcttcatctc tataanaagt taagaataca gcatatcata 420
a 421

<210> 34965
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34965

tataaatcaa tatggaagtt tgacataatc caacttttgc aatatgagat tctcgaagtg 60
ttgtcatttt aacctaatac aactttcatc tttggatgat taaacattga gtgcttagtg 120
tgccatttct ttgcttaaca aacttaattt gtaatttgat ctatatcgta ttttctcttt 180
atgagagtta tttgattgta atcattcaca cttgctgttt ggaaagctag aatgacttag 240
tgatccaaga atatttggat gttntccagt tttacgatga gattaaaggt gtggtagaag 300
tgattctaag aatacttatt gtaagtcatg agtgccagag aataatactt attntgtagt 360
cttttattga 370

<210> 34966
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34966

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tgtgtttggt agttactgtg tgcaatattg tattgacagt gtaaaagtgt ggtgttactc 120
atttaataaa aatgtcattg ttgtattcct aagtaaattc aactgatatt tggatgcagt 180
aatgcttata agccatcagg tttcagtttt atgttgaatg tatgtatact tcatgcaatg 240

tttatattta gtgtcttaag aagatgtggt gtaagtcaag tttagtgtga ctttgtatta 300
catcctttct tgtgggttaa tggtatgaca gtgtaatggt gcaactttta attctgagtc 360
atgataatca acttctgagg ctattatcta taacacatca tcaatttgca tatgtga 417

<210> 34967
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34967

tgtattgcaa tcttgttctg tttgttaaaa ttggtgtcta attnttatat ttaattagtt 60
ntggtgctct aatgattntt ttttccaatt aaactagtgg agagacaagc acatgtctgt 120
ccacattttt attttttatt atatattaaa aatttatatt tacaaaaaga tgtgaaaatg 180
aggaggatat gacagactat atagaanaat gatagaacga aattaaaata gtttatatga 240
gttaataaat aagtaaatat ttgtaataat caatataaag aatactagca ggcataaatt 300
aagaaaataa aaataattta tttcgtattc tagcctaate cattacaatg tggaccaatt 360
aaaatacggg tcacttgtaa caaatcttaa acagcatga 399

<210> 34968
<211> 357
<212> DNA
<213> Glycine max
<400> 34968

agcttgtatt tatttcttcc ttagtattgc tttcccttgg tatgtggtac attttgagca 60
attgagatta tcaaccacgg tttttatgac atgatacttt atgaggagaa ccacttcctt 120
ggctcgatat atgttttcaa cccatccttg gacaagtttc gagtccttat agcacctgag 180
tttacttgct cgaacttcat ttgccagttt tagacctgct atgagtgtt tatattttgt 240
ttcattgttt gatgccttga agtcaaattt gatggcatgc tccaaagtga cattggtggg 300
tccttcaagc ataatgccg cctcattttc tttcacattg gatgcaacat caacata 357

<210> 34969
<211> 407
<212> DNA
<213> Glycine max

catcaatcct cccaagcttt cacaacatnc aagcaaaaca tcattcaaac agcacaagct 240
atcacagcca agataaacag agcgcaggca gaatactctt gccaaacacc aaccaaatta 300
cagcttttct cacttaaa 318

<210> 34972
<211> 380
<212> DNA
<213> Glycine max

<400> 34972

agcttcagac tgctcaattg ctccagggtg ctgcatggaa gggcaaaggt ctgtatggtg 60
gtcagcagag gagcacaaac cacaaccct tgcgacagg acagatttct gattcaaggc 120
caactggggt accaagttga ccaacgcac cagtttgct tcaagcttct taatttcaga 180
tgatgcagat gggttttag ctacctcatg cactcctcta atgattatgg catcatttct 240
ggcgctaaac tgctgggagt tggaggccat cttctcaatt aaatttctgg cttcagcagc 300
agtcattgtc ccaagggctc caccactggc agcatctatc atacttctct tcatattact 360
gagtccttca taaaaatatt 380

<210> 34973
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34973

tgaatctctt tcaacttctt cttcttcttc tttgtaccaa aagtntctg aagttttctg 60
gttttccaaa cttgaaaac ttgtgctatt catcttttca ttctcttctc cctttgccaa 120
aaagaattcg ccaaggacta accgcctgaa ttcttggtgg ggctctcttc tcctttttcc 180
aaaagaacaa aggactaacc gcctgaattc ttttgtgtct cccttatccc ttgtcaaaga 240
attcaaaacg acacagtctg agaattcttt tgattcttcc cattccctaa tacaaaagtg 300
ttcaaa 306

<210> 34974
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34974

agcttctttg aganaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacaccen ctataatagc taagctcacc cccatgacaa aaaacatgaa aataaaaaaa 240
aagtccttat taaaaagaca actcanaatg ccccgaaata caaggctaaa accctatact 300
actagaatgg gcaaaatata aggcctagac gaaggaaaaa cctattctag tatttacaaa 360
gataagcggg ctcatactta gcccatgggc tcgaaatcta ccct 404

<210> 34975
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34975

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aataattatg acctctccag caacaggtac aatcccgagt ggagaatcat cccaacctta 120
gatggctgaa tccttcacaa caacagcagc aacaacaaca accttatttt caaaatgctg 180
ctggcccaag cagaccatac gttcctccac caatccagca acaacaacag caacagcccc 240
aaaaacagca aacagttgag gtcctccgc aacctttcct agaagaactt gtgaggcaaa 300
tgactatgca aaacatgcag ttctgacaag agaccagagc ttccattcag agcttaacta 360
atcagatggg acaatnggct acacagttaa atcaacaaca gtcccagaat tctgacagat 420
tacctttctca atctatct 438

<210> 34976
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34976

ttgcttggtg tattccaagt tcattaatca tacctttaag ccagattgct tccttcactc 60

tttcatcttg agtntntccac atactgatgg atgctaaatt ggtttggttt atctggactc 420

<210> 34979
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34979

gtcatccaat atatgcatga tgtcaataac gcacttagta aacctatcac accaatcaat 60
cacatatgag tggcttggtg acagactatt tactctcaat gttttattct aaatagagac 120
gtaggattga tttgctccat tttttggact gatattaaat gtccattaaa tattaacgaa 180
tttgaattat gcgtatgagt tatgcaaagc aatctagcca tatcatatat atatatagaa 240
cattacatta cagcatgcta atcaattctc cttcatcatg atcattacga ttagcatgaa 300
cggcgtcagc ttctttctct ccgacgacgt tatgagtgat ttgcacgggc aaaggactaa 360
catangagtg catgtatgaa tcatcatctt ctacatt 397

<210> 34980
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34980

agcttatatt gttgtgatna ctctacaata ctctcggtag tagctcttac tagccatgag 60
gtttggatta cgagtgcact ttgtgagaga ttattgaaaa cgcataactca catttagggt 120
taatgcagat tcacggcttg ccagctggac tttaagagag atgataactc caaacatcta 180
atatccgtat cttctatgta tgactaatgt actcaaacgg tgccctctta 230

<210> 34981
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34981

ttnnccgttg gcacnggatg nggtgccacg gaggacacaa actttttgac tggatgcaag 60
ccttcactcg actatatctc tattaccgac tgaaacgggc tggatgtgga tcgatacggt 120

agttttatgt atcggttcttc taaggctatc ctcatctgaa ctggtactta ttcacaatgt 180
ggctgggtag atatgggaca cactgacggg tcatgtcccc ccagagtctc cgatattaca 240
ctcactcatt caactgctac tatattcatt ataaatcatc caataaacgg catcttgccg 300
tagaatata 309

<210> 34982
<211> 286
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34982

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agtctacttg ggaaagacat cttcttattc ctgcgataag gaggtaaacac tatgagaaac 120
ataaatacgt aactgattaa aattatcact ctctctatct tgtatatgac ttcattctctc 180
aagcgtatca ctcttccttt ctctatccct ctgtgatgcc tactattgtc actctcttgc 240
tctctctttt ctatccttct gaatgggcta tcacacactt ctctaa 286

<210> 34983
<211> 258
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34983

tctcctattt gtaatggagt ggggtaccat tactggaaaa ctcgatgagc cattgttata 60
gaggcaatag atttaaatgt ctgggatgca tttgaagtag ggccttatat tcccaccatg 120
gttgctagga atactacaat agtaaagcct atggaagatt gcagtgcga agaaagaaga 180
ctaagacaac acaacttaga attcagcaac atattttcat ctgccctatg aatggatgga 240
tactttangg tattcaac 258

<210> 34984
<211> 341
<212> DNA
<213> Glycine max
<400> 34984

agcttgtcat caagttcttg atacaagaac acatatggat ggcggtatat attaacttgc 60
atgggctgta tgactgcaac atgattacac tgaatttgtt gtagtatgac cacaacaagt 120
tatggaacaa aactcagata taatttctta gaagccatta tatcatgctc taattaaaat 180
tgaagctaag cttctataat gtgtattaaa ggtattatta gagaattata tgaattaact 240
atgtgaaact ttaatcttga ttgaagaacg aacatcaaaa tttgcatatt aatcttatcc 300
tttttgatag attgggttatg gtgctattgt ttaaacaatg a 341

<210> 34985
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34985

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gagtctaattg ctatttctcc aagaaaggat attttagata atattgcaga atctttagaa 120
taaatgcaca ttcatggaca agattctaaa ggaaaaggag aaggaagcaa tgaagatcct 180
ccagtagaag tcaaagcaaa taatgatctt ccaagagagt ggaaagcttc aagagatcat 240
ccncttgaca acattattgg tgatatctca aaaggggtaa caactagaca ctctctcana 300
gatntatgca ataacatggc ttttgtatct atgattgaac ctaanaattt aaatgaagcc 360
ataatagatg aaaatggata atagctatg 389

<210> 34986
<211> 374
<212> DNA
<213> Glycine max
<400> 34986

ctcggaccgc ggatcctctc aatagactgc agcatgaagc ttttcattat ttgagaataa 60
gcaaaaacct caatgccccaa catatataac cttctcttcc tgctgggatg tgctctctcc 120
tgctatgcgt cttcttgctg cataacacct cttctcttcc ctcttcgata atgaccactt 180
cacaatgtcg tcgaagtctg acccctccca ttgacgtttt catccgcata accgatggcg 240
aggctagtgc gacgagtacc cctccacagc gtgagaatga agagaacggc tgagagtctt 300

gatccgtcga gcgagaagat gagcataaga agagaaatga gcgatgtcctt acggctgatt 360
caaaataaca tcat 374

<210> 34987
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34987

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cgattacata gtgcaaattt tgaattcaga ttttaatagc tgttattaat cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagttaaatt tcttgaaaaa 180
gacttttttaa cttaaatttc ttggccaaac cttttgctac ttcaattgga attcccttcc 240
tattaaatat acccttttcta agactctaga gactatcctg atcatccatc ttgaatatct 300
ttaattcctt tgtcttgaat aaagctgtga gacgcatgtg aacctttggc atatcaaaac 360
attcagcttg atcctttgtc tacatattgg gtagccatga atc 403

<210> 34988
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34988

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cctcgtggga gtctactca tgagtcgact ctgcgcgcgc attgcgtcat ctctgtacgc 120
atatattagg actacagact atcataccac cactgtgaga ttcgttgact acatctcatt 180
gcaacgcatg gccacttgta tatccaaggt atcatacctt tcaccgacat gtgttatata 240
accatccaag ctattcctga tattacgaat aacagaggaa tcttatccac acatgtccat 300
ctacatcaac atgtctagca ccattgttca cacaggaacc aactgctctg tttgttaacc 360
acgatgcatg acccgctacc tatatatatg atcgttgaca gaacaaaggt tcagaatata 420
taggatgttg cgtgtcatgg aagagatgaa tacgtggcat antgcaatga cacattaatc 480
ggatgcctat tctgagacaa tgactaactg gccatccatc t 521

<210> 34989
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 34989

gatggtgcct actcctttct ctcatacttt gccttccact gcatgagcat ggagggttata 60
 taccattgca cgaccggatt tgagctttga gatgcttact gcctatgagg atccacacgc 120
 aagatcccat tgataccctt ggtgggtagg attgcatcgt gatgtgacta ctttaccttt 180
 agacaaagcc ttgatttatg ctcggttatcc ctatctttac tacttgtgct gagctggaat 240
 acatatatgg cgattcagga tgtgcccctg atctgtgttc atcttcatac gctttccata 300
 cattagcatg gacctgttca at 322

<210> 34990
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 34990

ttcttgtgac tcttggccat atgttttata aactagtcac ttataatggt gagacttttg 60
 aaagaatctt cagaaacaag acacttagag aattatgact tttggaaatg aatttttcga 120
 aatcatacac tggtaatcga ttaccattaa tgtgtaatcg attacacatc aacatatgtg 180
 actctgcatt ttgaattttg agaagtaaaa cgttcaaagg ctcatgtaat ctattacaag 240
 g 241

<210> 34991
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 34991

gtttatatga cacactcgtg acatgccacg atgtatgttg tactatgcct ccaagcgcat 60
 gcagcgacat aacaaatgag taaataccgc tcgtatgagt gcagagagtt atgtgttgaa 120
 atgagccoct ttgtcacat catactgctg caaagcatgt gcatcgctg ctgtgggtatt 180
 ggac 184

<210> 34992
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34992

 agcttaattc tacacatgan aaagaggatg agatagttgc acaaaagaga aagcttccta 60
 acaaaaattt tcatgcaggt ggaccttctt ctagtagtta tgacttaccg cagcctctta 120
 tccctcttcc attccacact agagcaattc caaacaaaaa aatggaagaa gcggaaaagg 180
 agatcttgga gaccttcagg aaagtagaag tgagcatacc tctgcaagat gccatcaagc 240
 atattccaag atatgccaag tttctaaagg agttgtgcac ctacaaaagg aatctcanag 300
 gcaatgaaag gattagcatg ggcagaaatg tgtcaacatt gataggtana tctgttccctc 360
 gcattcctga gaaat 375

<210> 34993
 <211> 313
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34993

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 caacagtcac atctttttat gtggttcttg aatgactatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcca agagtttttc agaacaaaaa ggtcttatcc tcttataaag 180
 aaaaatcggg ttatcctctt acaaattcct tggccaaatt acttatgatt caataaggaa 240
 ttatttgagt gctcanattg ttcaatctat ctttttcaag agagatttct tcttttcttc 300
 ttcttcattc tga 313

<210> 34994
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34994

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tgtggtatatt atataacttc aaaagtttct atattctaaa attattgtca cttttgaata 120
tattaggaat acacttgagg aatatggatc tactgaggag ttgctgagta tcattaatgg 180
gtctatcaag tctaccaatt cacaaattca ggtaatcgac aataacttat ggntataatt 240
atataacttga tgtttttttt ttatttctaa ttaattattc taaaaataag ttacaccaag 300
gatatttttt gcaaccatta tttttgggag ttcttcccc atcaaaatat atgtgcaaga 360
gaggtgtgaa aaactcaagg caaataatat ggggagatgt agaccaatat tctaaacata 420
ttanatgtag aggatgtgaa tcttat 446

<210> 34995
<211> 302
<212> DNA
<213> Glycine max

<400> 34995
tacgtaagat tgaaagaaac atacatatat atttgaaata atttatattt aaaattataa 60
gggatTTTTTg cataactaat tcaggtagaa tttagatata taggagggga aaatttataa 120
ttataaagaa gatacacata attaatcat gagaatttaa atttaacatt tttaaagaag 180
ttaataatga tgagtgtaga ctaacgttat tcataagata cttctatact ctaatttcat 240
tcatacgact ggagcagatg attcaaaaca tgagaactta ggtgcaacat ctataataat 300
at 302

<210> 34996
<211> 139
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34996

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taaagccgga ctgaccctag cctagatgat tntgtgggtg tttcttcatg tgaattttga 120
gcattgctat gcgcacca 139

<210> 34997
<211> 277
<212> DNA

<213> Glycine max

<400> 34997

tataactcgat tctctgaaca ccgggtcccg gtcaattctc ccaagcttcc caaacatcca 60
aacaaaacga cattctgacc gcacaagcta tcacagccaa gcaaaacaga gcataggcag 120
aaaactctgc caaaacacca accaaatcac agcttttctc acttatagac cccagtaaca 180
attccttcgt tccggttcat taaccattgg atcgactcga aaatgttact ggagatctct 240
aatacttaag cctacatttt gaccgctggg atctact 277

<210> 34998

<211> 359

<212> DNA

<213> Glycine max

<400> 34998

agctttgatg ttgttagtcg tcatttggat gtcgagagtg tcattctgtt ggattctgag 60
aagaagatca ataaaaatctt ggtcctctaa ttcagctcca tcttcttttg caattttgtt 120
cttttcttga tgctctctga tgatggtttc caggaccttg tcaacctgct tgtgcaactt 180
cttcaatctg gtcattcttc cagttaggaa atataagaat ggaattgaag gatagacatc 240
atcaaggctg aatcctcccc cggattctac gatttttcgg atcaaagaca ccacaaactc 300
atcttgctcc ttgcatatgc caccgactgc tatcctgtaa atagaggctc atatcaatg 359

<210> 34999

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34999

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ggtattattg aactcatcac ctacgaacg aattctatta attattttta tacggttaat 120
tctttggaca taaaacataa taacttgcac ttgaaggatc aaatcagtat aaagtaaaat 180
aaaggaggta aataaggaga aattgtttat ctttgaagga cataatgaga aattgttaag 240
aaaataatca aataactactg cccagttaga tactttgact tggtgcccaa cagcaattag 300
agtgcacga caatttctat tttgacttag tgtgcatgtg caacagcaat tatagctttc 360

agcttatgct cttattgtac ctgtatcttt ctttcattnt gaatcatctc aagtttcatc 60
 ttcggagcat aaataggac aattgttttt caataaatca attcatgaaa tgtcaactac 120
 aggttagatta ttcttacttt tacattctac attgaataaa caacatctgt gaattataaa 180
 ccttatctaa taggtttgag aaagcttatg gatgatatga aaacttataa tcccaccgat 240
 aggggttctt ttacttatct tttatcagnt agttcagata cattactcga tgaagaaaga 300
 atgtgtagtt cttaacttat tgcttgaaag ctctnttata gacaagtctt ttcttatcac 360
 atcggacaat gaactataag cgattattta gttcatatct tttaaagaac attcat 416

<210> 35003
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35003
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 catgattttac attctcccc tttttgatga tgacaagcat tatccaaggc ttgatcttta 120
 tgacatcatc aaaatcttca tgattttacat tctccccctt tctgatgatg ataaccacct 180
 ataagttatg agcaacaact aagaaaacat atctatttgc atatagatta ctcccccttg 240
 gttttggaat ggttgcttat atgaaacaat tgaagatttc atatttttca tatataaa 298

<210> 35004
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35004

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 gcacaacaag tttttccaca tccacaatgc ggcataaac ccaccatccc ctgtagccca 120
 cctccaactg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180
 tccccatcaa tcttccaag cttccccaac atcaaagtaa tacaacattc aaacagcaca 240
 aactatcaca gccaaagaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 atcacagctn ttctcactta tagacccag taacaattcc ttcgttccaa ttcgttaacc 360

gttgatcga actccaaatt ttactggaag tctctagtagc ataagcctac attntgaccg 420
 ttgggatcta cta 433

<210> 35005
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35005

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 aacaagtttt ccatatccac aaagcgcgca taaacccacc atccctgtt gccacacctc 120
 atctgagctc acgtactccc acgtagccca tatcctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc aaaacatcca aacaaaacga cattcaaacc gcacaagcta 240
 tcacagccaa gcaaaacaga gcataggcag aaaactctgc caaaacacca accaaatcac 300
 agcttttctc acttaaagac cccagtaaca attccttcgt tccggttcat taaccattgg 360
 atcgactcga anattttact ggaaatctct aatacttaag cctacattnt gaccgttggg 420
 atctactagc ataca 435

<210> 35006
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35006

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 ttaacctagg gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaaccaa 120
 agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
 gggtgccaat tgggccccta ttacaacttg aactaaacct aactaaagtc ctttttagttg 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctataatt gaaacaaagt ggtgtcattt agtcctcctc catttgggcc 360
 atgatacaac tcacaacctt ggacttttct ccttgaaact tngccttgta ttcaaacagt 420
 atggacagca c 431

<210> 35007
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35007

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caaagggaga aagaaggttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
agaaaggttt ccgaaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
agtgcctttaa agaatacatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
tagttccacc ttcaatgtct ctgatttacc tctttttgat gcagatggag aattcgattt 300
gaggacaaat ctttctcatg agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga aagccaagga 420
agctcttcaa caagtgtgtt ccatactatt tg 452

<210> 35008
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35008

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cttaggcact tctctctctt tcgaatttgc ttaggaaaat tgtttccgtg aataaaatcc 120
aagccgaggc gtttccgtaa cgtttccgta acgtttccgt gagtaattac gcgaagattc 180
atcgttcggt cttcattttt ttcagtcttc aacgggtaag tacctcagac caagcttttc 240
aattcattat atgtaccgcg 260

<210> 35009
<211> 176
<212> DNA
<213> Glycine max

<400> 35009

tctaaggatt atgccgcgta tctgggaatg tatgattgaa tgtgatatca gttgatttgt 60

[illegible]

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<223>      unsure at all n locations
<400>      35010
```

<400> 35011

<210>	35012
<211>	306
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 35012

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gtagatgcac attatgttga ttcaaccagt atgtgttctt gccaggaaat tgtgccgctt 120
angaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattggatc cagcagcata tgttaatgcc 240
gtgagggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacg 306

<210> 35013
<211> 240
<212> DNA
<213> Glycine max

<400> 35013

gtgagccata atcctgactc accataaacc ttgtccctgt gtgataatgt ccatccttac 60
cctcgggagc gatgaagatt agacgggaaa ttccgatcg gagcacaaga gaaggagaat 120
tgccacgaa agcaaagaaa gaaaagattg aaccttcccc agtcagacag tgcgagaatg 180
cttgaaaaga tcagagagaa tgcttcccaa tctgagcatg ggagagagca taatgataag 240

<210> 35014
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35014

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gtggttatat tgtatccttc aacaaagagt aatgtatagt caagacaaaa gatgacaagt 120
cctttgttac taccaaatga cacaacaatc tgcattgagat tgatctaata ggtctaagta 180
aacagaatgt gacatgtctg ctttctagag aagatgagag atggatttgg catagaaaac 240
atagtaatgt caatttgaaa cgtatttcat aactttctaa aaaagattta gtgaaaggac 300
tacctaagat ttgttggaag acccatcttc tctgtgaagg atgtcaacaa gggaaataga 360
tcanaactta ttntanatct aaagatgggtg tttccacat taaaccatta cacatattgc 420

acatagatat gtttggacca acttgaaccg 450

<210> 35015
<211> 338
<212> DNA
<213> Glycine max

<400> 35015

tagacgatag ccacgtctca gaataggaag catagagagt gctctcaaca agctctcaac 60
acgttggata cttgggtcac agacgaaagc aataacgttg acttcaagat ggtttatgct 120
atgaagaatg tgagaattat gaagtgtctg acttggaatg gctctcacia tagggattca 180
aatttcccaa cttgctagaa gcacaggggtc tgtcatagct tgtgtatatg aggggaacct 240
tttgcccata atttgtaaaa gtgttctaca catgtgctaa agcagatatg gaaggagact 300
tgtactctac tgtcaatggg gcaaagatgg tcattgat 338

<210> 35016
<211> 246
<212> DNA
<213> Glycine max

<400> 35016

agcttgatgt taaatagtct accagcaaat gtaaccaaac acgatatcta tcatgtcaac 60
taaataattct gatctgcaat gtagttggac ccaagaaata ttttctaate ttcaccaaact 120
ttcctttttc taacatgtac aagagacaca taacttacct aaacccttgc catctacatg 180
gtctacttct gcacaggtga tcaattttat cactaaagca tacttaacag catatggttt 240
gagccg 246

<210> 35017
<211> 250
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35017

tgaagganaa cttgatgcct tgggtcaacct agtaactcag cttgccatga ataagaaatc 60
tacacctgtt gcaagagtct gtgggtctatg ttcttctgca gatcaccata cagatctttg 120

tccttatttg gagcaatctg gagtcaatga gcaacctgaa gcttatgtag caaacattta 180
 taatataccc cctccatagc ggaacctaca acaacagaat gattatgac tttcaagcaa 240
 cagatacaat 250

<210> 35018
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35018

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 cattgggtcat gttgagcaag caatttcaaa cttcataagg cagtcacaa actcttgctt 120
 agaaggacaa tccaccagac tttcccaggc ttccatgaca taatcccatg cattttttta 180
 ccaacaaggg ttttacattt ttccttcaca ttcttatcaa tgtgaaacaa acacaacaaa 240
 ttggtagact cagggaaaat agtttttact gcattcatca atgctaaatc tttgtcagaa 300
 acaatgactc cagagtgtgt gcacacgctc tcanataaat acttcgaaac cattcttgag 360
 ctcatacaac attgtttaca cgttctccct ccaagtagga aaaagcagct gaaaatgtca 420
 tccctgttgg tgtcacacca aca 443

<210> 35019
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35019

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 aaggcaacca gggaatgata ttgatgtgta tcttacacca ttaatcgaag acttgaaaaa 120
 attgtgggaa gaatgagtag atgcgtggga tgcaaattgt cagcatacat tcacattaca 180
 cgcaatggtg ttttgtacta ttaatgatta tccagcatat ggaaatttaa gtggatatag 240
 tgtgaaaagg catcatgcat gtcctatctg tgagaaaaac acaagcttca tccaactcaa 300
 gcatggaaag aagacagtat atacgagaca ccaaagattt ctgatagctt ttcaccctta 360
 ttgatgattg aaaaaatctt ntaatggaag tcaggagaat gaaggctccc cagaaccatt 420

654707307460

aactggaaac caagttcatg atcgggtaaa ggac 454

<210> 35020
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35020

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aagaaagact tcacatcatt tatgaattgc atattactac caaatatcaa tatgtcatcc 120
acatacaaac ataaaatgac acatccatta tcatcaaatt gtttcacata cacacattta 180
tcagtattat tgattagaaa accatacgaa agaacaattt gatcaaattt ttcgtgccat 240
tgctttggag cttattttcaa accatataaa gatttaacaa gtttgcaaac tttcttttct 300
ttccccggtt ctacaaagcc ttttaagttgg ctcatataaa tttcttcttc taattcacca 360
tttaaaaagg gcagttttac atccatttga tgaaatttct aaataanaac acaagcaagt 420
gcaattaaga ccctaata 437

<210> 35021
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35021

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ccttgagcat gcataaacc cttcagcctc accatcttct tctcgcacca accccgcacc 120
aaacacaacc cataaccac caaaaatgaa actcaatgtt ccaaaattta atggcaccca 180
cccctctggg tgggtgttca aaaccacca attttttgcc tatcactcta cgctgaaacc 240
aaagcgctt accatcgctt cttcgcctat ggaaggcccc gctcttacgt ggttctagt 300
gatgaccgc aaccaccagc tcccgacgtg ggtggcggtt ttgcaggcca ttgagacgcg 360
cttcgcccac tcccatacg aggaccaac aggaatcctc ttcanactca cacaacggng 420
ctcggntagc gattacctgc atcagttnga agctcta 457

<210> 35022

<211> 323
<212> DNA
<213> Glycine max

<400> 35022

agctgttcct tttcagcata ttcatatgtg acgcaaccta cccttcagcg ggagggcgac 60
gtgtgactca cggatgtgtg tttcaacaaa ggaatatgca cggagtcgcc accaacgtat 120
atgtgaagaa aacgtctgac aaatcggatg agacgtgatc tacgaacttt tagtgaaaag 180
ctccggagtc gcatttacgc acggagactg tattagcatc ccaactcgta atcactagag 240
atggcagcct tatctcagac gtgcaaatat gacttaagtt tatgactcct tccctttata 300
cattcttatg gcgtttttat gcc 323

<210> 35023
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35023

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ttcaaaatta ggagtagatt atgcttgaat gaagaacatg tggtctgttc attaaatgct 120
ggattaatat tcacttgctt tacttgtgct cagtttgata ttggttctca agttgttggc 180
cagaaggaca cgtcaaagaa tggtctagac gtctggaaag aggtaacaga caccactctt 240
ttaaattgtc tatttcctat ccagtaattg cctaacagta ctactttaaa tttaccatct 300
ttagcattgc gtgatattct ttgtgtagat attccacaag agaagaacaa acaagacgga 360
cagacaatct catagaggca agtcctttga atttgactcc ttgtactccc ttgtttcaaa 420
ccggtaggcc atattttact gttttactca tttctccatc 460

<210> 35024
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35024

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acccggaatg ggtttaggca aagacaacgg cggcataact agcttgataa atgccaaagg 120
 aaatcgtggg aagtatggtt taggctataa acccactcag gcagatataa agagaagcat 180
 cacggataga aagagcgggtg gtcaaagctc gcgggtgagg caagatagtg aaggaagccc 240
 gccctgccac ataagtagaa gctctataag cgcgggtctg ggagacgaaa gtcaagtggg 300
 cgcatatac gaagatgatg ttccaagtac attggaattg gtacgaacat gccctcctga 360
 tttccagctg ggaaatnggc aagtggagga acgccccggc atttacgcaa tgagcataat 420
 gtaaaccttt a 431

<210> 35025
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35025

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 cgacctgat tggcgctcag ccatgcaagc cgaatctgat gccttacacc acaacatcac 120
 ttgagatctt gtcagtcggt cctctgatca aaatttggtt ggctgtanat gggatatttcg 180
 aatctaacga aatccagacg gatcaattga tcgttacaag gctctgtag tcgccaaagg 240
 gtttcaccaa cgctctggtt gggactatac agaaactttt agccccgttg ttaaaccggt 300
 gaccattcgc attgtcctaa ctctcgcagt tcgtcaaggg tggcccatat gtcagcttga 360
 tgtcaaca 368

<210> 35026
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35026

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 ccctttttatc aaattctcaa tcatagtaat aataggcgac aatagtagca tcttcccttc 120
 gatccggaga cgacgacatc tccctaaaga tctggtgatg atgacaacat atccacaaag 180
 atccagtgc aatgacaact tctgtgactt aagcaacttt aacagcacat tgtttgagcc 240

<211> 200
<212> DNA
<213> Glycine max

<400> 35030

agcttcagat atagatatat tggcactgca gactgagaaa gagcttgat ggagcttgta 60
tgacaattcc tatgaatagc attgtgagat tgaataccgg attacagaaa tgcataatcg 120
ggtttgcata ttgcgactac gaggccttgtc ttcatactgt gtctcatgca cacacttctc 180
agttgtatct attataacct 200

<210> 35031
<211> 166
<212> DNA
<213> Glycine max

<400> 35031

tcaatattag aagcatttga atcaagaagg ccaagtaaat ctctgattat tttcattctt 60
gctgggtgcat ccttacagcc agacagatat ctgaaaatca gaggcaacat ttgaggaagt 120
aaaaaatgac tacccttgct tctcaccctc tccacgtggt tatgtc 166

<210> 35032
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35032

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acagtggaat ggagaaggaa gagagagaga ggagatgcca cttcaaggag aagatgagtc 120
tagaaggagc tcaccaccat aggaggccat ggataagagc ttggaggaag aagaagataa 180
atgaaggag aggaagagaa gaacacgaaa ttttatgctt tacaagagct ctaaaatctg 240
aagtttaatt ttcaaatgat caaagttcaa aaaaatacac acacatgacc tctatattata 300
tcctaagtgt cacacaaaat tggaggaaaa tttgaatttc tattcacatc tcacttacat 360
ttganattaa atttgtggag ccaaaatttc actaattatg attagtggaa tttagctatg 420
gttcagtcca ctagtccaag at 442

<210> 35033
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35033

taaagtctca cgattgccat atcttgatgc aataattggt attcgtggcc atacgagaca 60
 tttttcctaa caaagtcaaa catgccataa ctcaatcgtg ctttttcttc aatgtcatat 120
 gtagcaaagt ccttgatcct gccaaagttag atgagctaga aaatgaggct accaatacat 180
 tgtgtcagat ggagatgtat tttcctcctg tgttcttcgg cattgtgggt cacttaattg 240
 ttcattctggt gagggaaatt aaatgttatg gtcttggtta tttgtgggtg atgtacccga 300
 ttgaacaata ctagaagatc ttaanatggt atacaaagaa tctacaccgt tttgaagcat 360
 ctattgtggg aaggtacatt gtagaagaag ctattgagtt ttgttcagag tacattgaaa 420
 aggcaaaact tgttgtgctt cccaagtctc gacatg 456

<210> 35034
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35034

agctttgaat ggaagaatat cccaacctat gttagtaaga gactaatagt atttttatgt 60
 acttcttgac attccccccc ttaacgtaat aatcaacaag aaacaaactt tcttcttacc 120
 aaacaaagaa gaaacaaact ttctgttgta cctctatctt tattttattg aggtaaccca 180
 gtactagctc tgatcacatc atcaccatct gatgggaagc gttaatgttg atcaattgac 240
 aaatacaaac acgttatgtg atgtataaag tgtgaatatt tcatttataa taagttcaag 300
 cgggtgttta tctttttggt atgaataatc atatgcacaa tcttgagaag ttgangcacg 360
 aaaccatgat tatctaagat aactgacag aaataattga agtatataac tctttgatta 420
 atcatatacg gaaca 435

<210> 35035
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35035

tagcttgaat ctgacatccg tgtgaaaagt tatgaccatn tgaatttctc aagagcttcc 60
gttgttcaat ntcgagcctc tcgacatatt atgcacccga atcggacatc cgtgtgaaaa 120
gttatgatca tttgaatttc tcgagagtct ccgatgttta atttcgagcg tatcaatatt 180
ttataaccgc gaatcggacc tcaactgtgac aagctatgac catttgaatt cgacgagagc 240
ttccgttggt caatttcgaa tatcactata tgtgatgcgc ctaaattgga cattcgagat 300
aaaagctatg accattagga tgtctcaaga 330

<210> 35036
<211> 244
<212> DNA
<213> Glycine max
<400> 35036

cataatataa cgacacgctc gaaaataccg attgaatctc tcgtgacact caaaaagtca 60
taacttgcca cactgaagtc cgattcagtc gcataatatg acgagaggct cgaaattgaa 120
cagcgcacgc tcttgagaaa ttaaagtggg ataacctttt ccaactgaagc tctcatgaaa 180
gacaaatggg catacctctt cacactgatg tccgactcaa gcttataaca tatctatacg 240
ctcg 244

<210> 35037
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35037

agctntataa gcgcgggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
attccgagta ctttggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggtttta 180
aaagctctat agttgggcct aggctttaga gtttttccct ttgttaaggc tttgagtctt 240
ttgtttttga atttataata caaggatctt tcttcatctg ttccctggct ctacccattc 300
tcattcattt gcatgtttac ttctttttct gaaacggcag atccgatgac gagtcccccg 360

aagtactaat acctgggacc cgtctatcga cttoagagcaa gaaatgaatc 410

<210> 35038
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 35038

tatcagttaa gattatcaca gaccttgtat gcgtctcact gtcttcaaaa agatcatttt 60
 tactattttg caagtcttcg taatctttat gtagaacaac atggtttgtc tgaagatcat 120
 acctttcttc attaagctaa tcttgcaact ctttaagtac tttcaactta ttttgaacta 180
 cctcaatctt tgtgtctaca tcatgagagt tctataataa gatatccttt tctttggata 240
 gctgttcatt ttcaagttgg agcatgactt cggaattttg cctttttaca aatcattgct 300
 tattgaaata gattataaga cctaccattt tttcttctta aca 343

<210> 35039
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35039

agctntgtct tttcttctat ctttntctct caattgttct tcattcttct tcattctttc 60
 acttttgttc caccattttc ttacacaaat ttogtggttt ctctattggg gatgatcatg 120
 gaggggttaaa caattaatca atccaaggat ccaactgcaag caaagctgaa tttgagtcct 180
 gggttggttt ttctactctg tgtgaatggt cttctttctc ttcaatccta ttttcatttt 240
 tcatgattgt gactatgttc atgattgaaa attgattacg ttatggattc atttccta 300
 ttcaaaatnt aatcacagat tgtaggatg atcttncaac ataatttgtg agttcaaaca 360
 atttagagat ttgattcgat tgaacttctc taatgcat 398

<210> 35040
 <211> 191
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35040

tacacaagca ttcatagtc caacacacac tcaacaaata gttatcatcc atccatagnt 60
 ccaatcaatc atgctcagta tgatgcatgc acctaacctc aactctcaaa tgcaatgtgg 120
 taccatcccc aaggaaatag cctaagcgtg tccacacgac actctcactt atgaaaacta 180
 tgcagtaagt g 191

<210> 35041
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 35041
 agcttgcagt atattcacac gagtcaaaag aaactgtatt ttactgtaac ctcgagtga 60
 tatacagtat attaacttta ggctaccata aaatcatttt ctcttgaatg atgatata 120
 ctcagcacat ttgtagaatc tatttttagaa taaaaaaagg gaaagaaata tgaaatgtgc 180
 atgatgtgtg atataataaa aagagatgac atgacagaca ttactctata aattagtgt 240
 tgtgtcc 247

<210> 35042
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35042
 tattgttccc actaagtcta tgcctcagc tgagagcctg gatgagctaa gcatgcctct 60
 tcagatttct aattatgctc ttttggactt tattttactc attaagcacc ataaattcat 120
 caactnttaa tgttttctac gcaaaaactt aaatgatatt aaaataacac ttattagccc 180
 acaatagaat atatatgaga gaacctcacc tacattgatt aacctcacta ttcactcata 240
 ttttaactcc aaaatacact ca 262

<210> 35043
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 35043

agcttggatg aagaatgaga tgaatgaagg gagagggaga gaagagcacg aaattgtgtg 60
 ctctaaaaga gctctgaaat ctaaagttaa tattcaaagtc atcaaagttc aaaaaaatgc 120
 acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aatttgaatt 180
 ttaattcaaa tttcacttga atttgaaatt gaatttgggg agccaaactt tggagccaaa 240
 atttcactaa ttatgattag tgaatttttag ttatagttca gcccagtaat ccaagatcaa 300
 ttccaagatt ctccactaag tgtgcttaag tgtcatgagg catgtaaagc atgaaagaca 360
 tgcacaaaat gtgactatat ga 382

<210> 35044
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 35044
 tataagaaca gaattgcctc aatcattgcc aaatatgcat gttaattatt aagcatcaac 60
 aagaatcaat ccaacgctat tgtgcaagca atcaatgggg caaaacacac caaatgatta 120
 tgatgatgga tggctcaaat tctcaciaag gtaaactcat cattttcaaa ttgagatttc 180
 aaaactatca tgacatgtag aggagaatcg aggatttcaa gtcacagaat gtcaagaact 240
 tttattttca aaacaattac ccatttcttg aacatatcct ataattcaaa gaaaaacatg 300
 caaagtcgta catgcacaca aattgaccca aaatattaaa ctaaaaattc gacgaaacta 360
 acaacattaa caaattaaca aaaccaacaa aaatagcata accaaagaac actcctcccc 420
 ctcatactta agcaacacat tg 442

<210> 35045
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 35045
 agcttggaaat gtagtcatac ctacacagaat atatataatt atgttttaggt agtgaaaata 60
 ccttatatat gcatgtatgt aacaaaaaaa tacttcacga aatatatata tgtatgttta 120
 ggtagaaaga taccttggat atgcatgtat gtagcaaaaa tacttcacaa aatatatata 180
 tgtatgccta ggaagcaata taccttgcac actcatgtat gtaacaaaaa gatatgtcac 240

aagatatata tatat

255

<210> 35046
<211> 180
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35046

tccacttatt agtgcacagc tccttcaaga atttagcata tcttgtaatt tgctntattg 60
catccagcag aggtatgttt acctgtactt ttctaagtat ttgcaagatc tctntctctg 120
cctcttccat ttttttggtg gaaactgctt ttggaagaat ggaacaggaa ggatgtgctg 180

<210> 35047
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35047

agcttggtaca tctctgtttc tctacctttc atcacanacc ctggtggttg agtgacaaaa 60
acttcttctt ctagtgagcc attaagaaat gcagatttta catccatttg gtgtacttcc 120
cagcaattga agctagccat tgctattaca agtttctactg tttccaacct agcaacaggg 180
gcaaatactt catcataaac cagaccttgc ttttgcaaaa atccctttgc aaccagtctg 240
gctttgaact ttgttacttc tcctctacga ttcaacttag ttgtgtagac ccattctact 300
gctatggctt tctttcctat tagtagctat gtgagactcc atgtcttggt tctctcaata 360
gacctcaact c 371

<210> 35048
<211> 367
<212> DNA
<213> Glycine max

<400> 35048

tatcgattca tactatgtac cctcggtggt gcacattgcg tttttcgcat atatattctc 60
gacttggtta ctctttatac cccctgttga cgtgcttaag ccagtttgct taagtcatat 120
ctcgcttaac ttaaaaataa aatcaatttt caccgaacgc ttgaattgta ttatgcgcta 180

acttcggtta tgatgaattc cgaccagtcg gtcgtgcgag taccacgttg gaaatcaata 240
aagatgtata atatagtatg atcatcacia caacatcttt tagtaaaata aagcggaaga 300
tcaatcggac gttatctcta tgagattcct cattcttcat ccgaatgatt aataactaaa 360
gtgaaac 367

<210> 35049
<211> 229
<212> DNA
<213> Glycine max

<400> 35049

agcttattca caaatgtggt gattgggttc cataatctag atagaggatc gataaaciaa 60
actatggaga ttagtgtatc ttataattac ctcaacagtg gccatttgga atgcaaagag 120
ggaaagtcac aatatgatga agtatgaact atgaaggaaa gtcggaatt aaagacagtg 180
gttgtgactt tacctctagt tgaaagaggt tatttatata tgatactat 229

<210> 35050
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35050

ntgaacttgt atcgtgcat tacggaccta tgcttactct gcttgatgac tcatgacaca 60
cttgatttac aatctctgag ttcatagtgg ctggaaatac ttatgccgat cctttaggaa 120
tgagtccacg tataagaaca gaattgcgta cgtgctctag ctgtttgtga cctaataaaa 180
tccatggcat gatctagtga tggattacac tcttatggca tgggatctct agactgtaaa 240
ctctcttttg tttaaaggctc cgtacgcacc tcatgctctc tatgcactat agactttctc 300
gataaacactt ataangaatg agtaaacact atacacatgt ttctggagcc ttgtatcaag 360
atcgagggtt acgcatgtcg ttaccagtat actgacatga gatgctcact attgtataga 420
tgtccgataa atgtgatact attatgacac ttgagacgtt ttacagttg cgagagtttn 480

<210> 35051
<211> 435
<212> DNA
<213> Glycine max

atcaaagaac aactcaagtg aatcaaagaa catctcaagt ggatcaagaa caagtcaaga 180
 gtccaagaat caagaagaat tcaagactca agaagaaagc ctacaatcaa gaatcaagat 240
 tcaagaataa agaaaggact caatcaagat aagtattaaa aagtttttca aaactttgaa 300
 tagcacatga gtttttgaca aaacctttac cacagagtct ttactctctg gtaatcgatt 360
 accatattgc tgtaatcaat taccagtagc acaatgagtt tgaanaagtt ntcatactga 420
 atttacaaca ttccaattat 440

<210> 35054
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 35054
 tgcttgtgga gcttctatgg aggttggatc tttgagcttc aatgacgtcc ttcaatgggtg 60
 atttttcacc atggagatgc agcgggaaggc aaaggagaag aggagagggg aggcaccatc 120
 cactacggaa taatccaagg aagaaggagc ttcaccacca agaattgcct tggataaaaa 180
 gcttgatgac gatgctttaa tggaggaaaa gaaagagaga agggggggagc acgacattga 240
 tcgaataaaa gatggaaag 259

<210> 35055
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35055
 agcttgagat gatgaagtgt tgaagggtga aacttcctac ttttattggt gaccacagag 60
 tggtagctgg agatatgtcg cggaggtcat gagacctgt ggacgtcagg tgggggtgcta 120
 ttgcctaaaa ccaagcttga ccaatccga cccaaccga gcatagttgg tcagtggaga 180
 cctgtgatgt acctaagcag gcgagctcct ggaagtcaac agataaaagg aacaaagacc 240
 acaaagcaag ggggcttgtg gtggctggcc agctgtgaat tntgtgtgat atatgattat 300
 ggctctggt aatcgattac caacggtggg taatcgaata caaggcttaa nattgaagac 360
 aggaggctaa gatggtctct ggtaatcgat taccacgggg tggaat 406

<210> 35056
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35056

ntatacaagg gagcaaaaga tacaagtatc attcaaggta agctatttgg tcaaaagagc 60
 ttgtgtctat acaattcatg gccttcatca tgttctgagt tatacaaadc attctataat 120
 tcctaagcta gttttaaaag ttgtctatcc tatggttgac caaaataaca aagataagga 180
 tcatgaggaa cttatttggg tgcgtgatac aattgaccta atgtagatgt tggattagat 240
 gagagagaga gagagagaga tgatatgggt tatgcagaat tctccaactg tccctacact 300
 cagcacttgt cattgtgctg aagttacact taaccaatgc tttttcgacg ctcccgttta 360
 gcgaacgctt tgctaagtgg ga 382

<210> 35057
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35057

agcttgagag ttgagacata tgtcatgtgt caaccttgct ctagacttct aattatattg 60
 ctccctcact ttttctgagg taggacaaac aaatgcttag atgtatgggt tagggttatt 120
 gttaggatat aaagagaagg gaaagttagt ggcgaaccgc aaacatgaaa agagaagaag 180
 gtacaacgct acttgaaaga gggtatcgaa ataggctaatt ttttaaaaga aattttgtaa 240
 ctaatctttt acattgattc ttaaaaaaat ctgataaaaa aaatcaggga agtgtttgat 300
 gcgtgtccag ttgtttggag aagtgtctgt ggcgtgtcca agcccaaaan gataattggc 360
 actgcaaat gtgccacaca atgtccgcat gtgtctatga gtgtc 405

<210> 35058
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35058

nttgtgtgaa aggatgtgac tcttcacatt tgaatatgaa tttcaacgtt caaaggcact 60
 ggtaatcgat taccaaaaca ttgtaatcga ttacagcttt ttgaaaataa ttggaacgtt 120
 gcaaattcaa tttgaaaact ttttcaaaac aatttttgcta ctagtaatcg attacaacaa 180
 tctggtaatc gattactaga gagtaaaaac tctntggtaa aaggttntgt caaaaactca 240
 tgtgctattc aaagttttga aaaacttttt aatacttatac ttgattgagt cttctcttca 300
 ttcttgaatc ttgagtcttg aatcttgatc ttgattcttg agatcttgaa ccttgaatct 360
 tgattcttgt ctctagactt tcttcttgag tcttgaattc ttcttgattc ttatcttgaa 420
 ctcttgaatt gttc 434

<210> 35059
 <211> 158
 <212> DNA
 <213> Glycine max

<400> 35059
 tagctattgc tgtagacagg atatgatatg caatccggga tatatctacc tcaaaggtag 60
 atgatgcctg agccagtcac cccatttaac ccatgcacat ttatcttgat cagtgtctcc 120
 accaacaacg aacctactct ggataacccc cgagtggga 158

<210> 35060
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 35060
 atatgctccg ttgttgtaca taataatata aggttttata ctactagaaa agggaaatca 60
 ctacgatcaa tatattgggt gattgattag atgtcaaacg actccattgc cgtcactcca 120
 aaatcgttaa gtgactcaaa tccacattac gtacactttg acggagtgcc tcacaagata 180
 ttacaataga ctggatgagg gctcatgagt gatcacagtc tgtcaciaag agacaagcga 240
 tctgagatgt ccacagagaa agaaccagct aacaaataat ccaatcagac tctctttgca 300
 ggaatgggaa agaattgtctg agcattacac aa 332

<210> 35061
 <211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35061

agctntanga gaaaccataa aaactaaggt agttcctaaa caaaaatcaa ttgaggaagc 60
ttcgccaagt atccccattg aaaaaccttt attcaaacct ttcaaagtta gtgagaaggc 120
taaacgaaaa attaggggaac ttagaaaaac taaatcctta actgaaggcg taggtgacaa 180
tcatagtga ttaactaaaca agatcggtag ttactttaag gtcattccag atactcccca 240
agcctcggaa aatacttccc aaatggtaac aagaagtacc tccaaattaa ttaatgttat 300
taatgaagat agtgactaan actcagatac cacaactgag ataggggtcaa tgtcagaaaa 360
gaatataaat ccaattaatt ccaaactg ganaacaccc tnncaaatat attatcaac 419

<210> 35062
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35062

ntgtggttac tgtatcctaa ttgccacatc tgtctataac agtctatata actgctgtat 60
aagtattaag gattgaaggt tcattacatt gtacaattca ggatcaagtt tgtttatcaa 120
cctttatcat gaaaatctgt gtttgttcat tgacatgcta cttgattgct tactgtacaa 180
gattctctcg aggatgctca tacaactgat tgtttgcang tctcttttgg tggagggtatt 240
ggtgcctogc atgttcatac aatagggtctc agcttta 277

<210> 35063
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35063

agctntntgg ttntaaatga aagggttttc tctttatcta ttattttatt caagctatgc 60
cacatgtctc catttgagtg gagcaagaag ggcccacttt ccccttttaa ttgtgactca 120
tactcagcca caaacagtga gaaaaatctg acctttgaaa cgctaaaatc ctgcctcggt 180

ttgcatgccg tttctctggg tccagttcct cgcgtttctc tgcgtccgtc ggggccagtt 240
 ttcgaaagca agcaatatat atatcaaac gctcagaata aaaccccgag cgtggntcag 300
 aggttggttt cgttaaattc taagtcgcac ggcaaacgat gaattttnac taattaatta 360
 agaaataacc cataacctcc cagttatgga tttctctctc ttaattagcc taacccgcgt 420
 atcttgcccn cactactcct at 442

<210> 35064
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 35064

tgaatgagag cactaacaac atttcttct cttttgcaa tgttgacact tcattatgga 60
 cacagccatg gttgcttcaa tactttatat tcacgtgaat cccaatatat ataccaattg 120
 acgcggattc cttctgaacg ggaacggacg tttcagagca tcaccgaact gttcaagagt 180
 gacatcagca tctgcctcga tgaacatgac ccgcttgaga gtctatctca gataggatct 240
 tactctcgcc attattgggg atattagcta cagatatgtc gtgtgactca tggaagatgt 300
 gcagcgctat tgtataaaca tggaatcgac aatatccaca tgtgtggata aaaatcttgg 360
 acgcccacca gatccta 377

<210> 35065
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 35065

agcttgtctc attgtttatg cgagacagag accaacaatgt tagccatcgt cagcaagtac 60
 caagaagaat taaatctagc cacggcccac aagtacaaag tggatgaacga gtatgcccga 120
 gtgtatgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggaaaca 180
 atgtggatgg accgatttgc tcttactttg aacgggagta aagaacttcc ccaattgcta 240
 gccacggcta aagcaatggc ggacacctac tccgccccca agcttctcag ctcgtgctag 300
 ggactcttcc aattcagcac ttgtacaacc tagagcgccc gcgcccattcc agagggaggc 360
 cccccaagct ccggtctcaa ccctgactca ctcggccagc aacgccc 407

<210> 35066
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35066

tgaaggtgtg tagcccacca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60
 tgggtattatt tttttctccg tcattgaggt gccacttgag ctgccaggac tctccacctt 120
 tgggcgtatt cttttgaaag attcgtgccc cccttttgca catgttctgt agttgcatcc 180
 tatctgaaga cattatactg aactgccta acgaaggcaa ccactaggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccaggt aagactttct 300
 tggaaggaat gtataagcaa ttctcatct tttgcgtatg cctccatctt ctgataatac 360
 atctttagat ggttcttgga gcaagtagtc cccttgtagt tgtcaaagtc cagcaccttg 420
 aatatgggag gaggatgat 440

<210> 35067
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35067

agcttgtgac tcatagttgt gctaagccat attctgcccc tctgngcaa tatgacaacc 60
 attttggggg atagaggacc ggtggattca agcccactag tggacgactt cacccaactg 120
 gtgggagttc tcagccagtt aacaaggtgt cttaatctgt tggtagaagt ggtggtggtc 180
 ctgctactgt gtctacacca ctccggtgtg ggaagtgtgg tcagcttggc catattgctc 240
 attagtgcac agatagagag gtgacttact ttaactgcca aggtatgggc cacattagca 300
 ccggttgccc aaaaattgat cttctaggga ttctacaca tgtntattct aatccccgag 360
 cacaagtaac tcaccttta tcttgatgta gtcgctcaag tgttctctat tagcaatggc 420
 gacatttctg gtgctctaga gct 443

<210> 35068
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35068

nttgtgaatg tatgtataca tgantrrtgat gatgccaaag ataatcgtct tctcaagtrt 60
gatccaagtc aagaattcag aaattcataa aataactccc cagagtcaca actcttcaga 120
aaataactcc tgagagtcac atctgttcaa gagatrrrttg aatggacatc aaaggcctat 180
aaataggtrga cttgngacac aaaatgaatg agagagattc caagagaact tcattctcaa 240
atgctctctc aaaagaaact cttgggcaaa cacttgcaaa tccattaaga gttcatccat 300
ggacttcaat tgtaatatcc ttctcttcaa gagagaattc atcttctttc ttcttataca 360
aagagattga ttaagggacc gaggggtctct taagttgtaa ggattcctga acacaagggg 420
tggtngtcc ctgtgt 436

<210> 35069
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35069

agcttcaggt tgctcattga ctccagattg ctgcanagaa ggatagagat ctgtatggtr 60
atctacagaa gaacatagac cacagactct tgcaataggt gcagatrrrtt tattcatggc 120
aagttgagtt actaggttga ccaaggcatc aagtrrttccc tcaagctrrrt tattttcagt 180
agatgaagat gaatccgtgg ccacctcata gactcctcta aggacaatag catcatrrrtt 240
tgactgaat tgttggcagt tggaagtcac cttctcaatc aaattcctag cctcaacagg 300
agtcatatca ccaagggctc caccactggc agcatcaatc atactcctt ccatgtagct 360
aagtcctca tagaaatatt gtagaacgag ttgctcagaa atatggtrggg gaggacaact 420
tgcacacaat ttcttgaatc tt 442

<210> 35070
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35070

ntcatctagc caagattata caaaggtggt acaaaaggac ctaccgattc ctaattatat 60
 gggccatcaa atctatcatg tgttgacagt aattgattag cccatgaatc tcctcggngg 120
 cagtacacac ttcggccatg gcttttgctt tggctaatag acgcgggagg tcttgactcc 180
 cattcaaggt caaggcgaat ctatccatcc acatagtcgc ttcttgatgc agcgcacaa 240
 tcaccctccc tcttgcttct ttntcagcat acacttgatg aaaatcctcc actagctttt 300
 gttcatgggc catggactag ttcaattctt ccttgatcgc ccctatgata gccaacatgc 360
 tttgctccgt ggcttcaagt gttgagccaa actccttttg gacttgcgca agcaactaac 420
 tcttctttta agatcatgcc atgcaccog 449

<210> 35071
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 35071
 agcttgtgct atcctcacca tataagctgg tttcatgggg ttgagtttgg ccctaagctc 60
 aaattcttgt agcttatttg aaataacatg tgcaaagggt tgggactttg ttatttgttt 120
 aatatgccag agtacataag acaaaagaaa agttaatggt ttatctgaca agcgtttcct 180
 gtgcattatg tatgtagaat acagatgatg ctcaagattc ttaccataaa tgcattctct 240
 atgtttggcc tatgggtgcta tactgtgagt agtattttaga tgtagtata ggcccacagt 300
 agat 304

<210> 35072
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35072

cgtgagcagg ctcttattgt gccacaaacc tagtgtaaca ntttctatgt cgtatatgtc 60
 ggacaaggca tgaatggaat gtacatgatg tattgcagct tggaccaacc tatcgtctag 120
 cattgacacc tcagccgagt gtatcaaagt acatattgag agctcacttg aagtctgtct 180
 agcacgcctg ataggctatc accgataaga agatttctct aaatactatg aattaaatgg 240
 agaattgggt agaattccct tcccaccac acctcatgga ctatggtnn ggtattgatt 300

accgaataca ttgtaattgtg aaaaccatac ataactaccg cgcgctagat tttgtctca 360
tcgaggtata catccacgct ttctcatatc attatggagc tccctgtgaa tattggacat 420
atacagagct gtgcgggcca gacctatata tttatctgc 459

<210> 35073
<211> 197
<212> DNA
<213> Glycine max

<400> 35073

agcttgatat gatgaattgc tgaacggtga aacttctgc ttatattggc gaccacagag 60
tggtacctgt agatatgtct cggagggtcac gagacctgtt ggacgtcagg aggtgtgcta 120
ttgccccaaa ccaagcttga ccaatgccga cccaaccgg gcatactcgg tcagtggagaa 180
cctgtgatgt acctaata 197

<210> 35074
<211> 301
<212> DNA
<213> Glycine max

<400> 35074

gtgtctatac aattcatgac cttcatcatg ttctgaggta tacaacacac totagagact 60
caagaattat gccgagatca ttattcacag atagtcattc actcacagag taagggtcaaa 120
ctctcaccga gttttgggtc aagctcttct ttcacaacta gtctatctag tgactaacca 180
ttctattata agctcacact cttgctcttt ctttgtgtaa catacacatt tgctcaactc 240
atgaaaagaa acaccaacta ctttccaatc atgcactcca ttctaaataa agacatacac 300
c 301

<210> 35075
<211> 419
<212> DNA
<213> Glycine max

<400> 35075

agcttttctt tggatgaaag tgatgagtca tccataccaa gagcagatag tggatgaatcc 60
aattcatcaa gttcatcatc actggtatat aactttttga gcacaaatga cccagttctt 120

agtgaagttt tgtttccac ttcttgtagc ttgccacaa ccgaagaagc tggaggtggt 180
 gcatagagcg tgaaaccagc aggacatgga aagcttgtaa tggccccttc accatcctga 240
 atatcctaaa ataagaaaat ccaataaaac aatccttatg tggacataga atgtagacat 300
 tgcaataatc aactcctaca ccacagttct tatgagtcac gagacatgct agcaacaccc 360
 tctccgatat tctcttttag acattctttt actatagttc taacattatt agaaagtac 419

<210> 35076
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 35076
 tcaccagtct gatccgtcag tgacagttgt taatcacact actatgtact ctcttatact 60
 gtgctctttc tccttgctct ttctcctttc ctgtaagggt gtcaaactca agagttgggt 120
 aaactcatgg agaaaagtaa acatgaatct aatttttag aagtttacat gcattaaaaa 180
 ttcatttagg aaatatatct tagtaccocaa acataattaa atggcatatc cataatcgat 240
 attgaatatt caacataata aagcaaacaa aagtaatgaa atgaaaaaca tatctcaatt 300
 ctggaaaactg ttatattata ctagtccagt gaaagataaa aaaaaacata aaattagctt 360
 cataaactaa aatagaacaa aaggaaaaaa aatgaaaga taaaaaacat aaaattagct 420
 gcataaaactt aatacaactc acagaata 448

<210> 35077
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35077
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 ttataatggt atatttacia caattaaaaa aattaacaga taaataaatt tatcatattt 120
 cttttacttt taaaactaaa attttaattt taatctttta aagacaaact tgtccaacac 180
 taaaacataa gaagaaaata gttattaaaa aataaaaatg aaagatcttt actcctgatt 240
 caatgattcg ggtcttaccg gogtgaatcc tgattctgaa tctggaacag ctgctccogt 300

ccgatcggca tgtaatgttc tatcatgaat cactcactga catgtatctt atcattcgtg 360
ctactattat c 371

<210> 35078
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35078

tgnaaatcga ctaacagtag caccggtaat agttntcttt tgtgccaaac taatttgaaa 60
ttcctagtag ttcatgaaaa tgaatttaat tcctgtaaga ttgagacagg tttgattgca 120
attttcaata ataaactctt atctgatgca aacttattga atgctgttta aataagatgc 180
cttgccaaca ggggttgaga aaaacagtag ttttaagatt ggacaagcta ggatccacgt 240
tgggccttag ctttagtgaa gcccttcata ctgggaattg aacaggactg tcgtgga 297

<210> 35079
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35079

agcttaactt catcaattat cttcataatt ccnctcgctc aagcactcaa gatgacttgc 60
tttagtgagg catgtcaatg tttcttgggt ttgattctga cttggcttgc ttaagcacat 120
agtatgcaac acttaagcga gaagagcttg gtttcttcaa taacttttcc tgctaaaact 180
ccacaaaaac atcaaaaaag tcctaaaaaa acctaaaatt ctagagttcc aatgtgatta 240
ttcaaaattc accccaatct taaggtaaaa caaggctcca tgtattagaa atgttccata 300
atcacctaca atcatatgta aaattaaagt atatttgacg attaccaact atcanagtat 360
ttgtcattta ttaatagtag taattattac aaattatact tanaatgcat gatgttataa 420
agacaaatct ctacaaaaaa ta 442

<210> 35080
<211> 368
<212> DNA
<213> Glycine max

<400> 35080

tgtgcaaata aaatcaccca tacatttggg ctctaacaatg cattgtgtgt cggtcacga 60
gctttgacac gggaaaccgg aaggtagata tcaccttggt aaatggacac atggagcact 120
gcagaccoga atgctcaagt tagaatagat aaactttctg tctctcgagt tcgcacaagg 180
gattcatatg ctgctctaca taagctatgc ttcatacctt catagcggac gtatcctacc 240
tttgatcgct atcataatct aactcactat tttgcttgag gaatagagtt atcttgcaaa 300
tgcgctcttg agagcatgtg atacgcctca ttgcatacca ttcgcactca tgtgtgatca 360
tacttgcg 368

<210> 35081

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35081

tatctnttca catagcttac ggtaagatct gngacctagc cttggtagag gtctccacag 60
aggccattgc ctccctcgcc caatattatg accagccgtt gaggtgcttc acctttgggg 120
acttccagtt atcacccacg gtggaagagt ttgaagaaat cccaggatgc cctctgggag 180
gaaggaaacc atacctcttc tagggattct atccctcttt agctagaatt tctaagatag 240
tccaaaactc gacgcgggaa ttagaccaca gaaagcaagt caaaaatggt gtggttgagg 300
taccaaggaa atgtttggaa gcaaaagcaa gagtcttggc aggtaaaggc aaatgggccc 360
tgttcatgga catcctcgca cttttgatct tcggaggggt cctcctttca aatgtggatg 420

<210> 35082

<211> 395

<212> DNA

<213> Glycine max

<400> 35082

tctccgcaa ttgtctataa atagggggag aagtgaagtg aatttggttc attcccttag 60
gcattctct ctctttcgaa tatgcttga aaaattgttt ccgtgaagaa aatccaagct 120
gaggcgcttt cgaaatgttt ccgtaatgtt tccgtgagga atttcgcgaa gggttcaacc 180
gttcttcgac gttcttcac gttcttcgat cttcaacggg taagtacctc gaaccaagct 240

tttcgattca ttctatgtac ccgtggcggg ccacattgtg tttcgtgtat ctctattctc 300
 gtttatttac tttttatacc cccttttgac gtgcttaagc cattttattt aagtcatttc 360
 ctgggcttac ctaaataata gataaatttc catcg 395

<210> 35083
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 35083

tagctttgta tgtgattttt gcatactctt atatatttct cattgaggat ttgaataaga 60
 aactgttttag aggtgtagca actcaagttt ttgaagaagt tggtttttga tgaggattaa 120
 caatctttgt ggtaaagtgg tataggggtt ttcactctta ccaccactgt tctttcgtct 180
 aattgaaaat tgcatttcaa cacaaggacc atagggggcg gagttgctat gcattttcca 240
 cagttaaacc ccacagagct actacatgag catgtagcgt gtcttcacct aacaggatta 300
 tggaattggt gggttgatca tatgagctat tgcattatac atg 343

<210> 35084
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35084

tccactctgc ttcactgcat cagctcgaat atttataatg ttgataacac cttaccattc 60
 gccttgatac aaggaaacca catcatgcta ttgtgctaca tctcaaataa tgtgaagcac 120
 tatgttccca cccttgggag gcacccttaa tggacgcca catcaagagg tatgccaagc 180
 ctgaagtata ttagcaagga aatacaggaa tgattggctg ctggccaaaa agacacacat 240
 gacacacctt ctctcggaca tccaattttg gccaacctat aaccatatta ttatctacta 300
 acatattcat acttttgaaa antaagcgac caaacctgcg atgcgtaaga cagctgcac 360
 ggetgatctt tgcagccatt acacatagta ctttcgttgc cctactgctc ggctgaatgg 420
 tgtatctcct cccc 434

<210> 35085

<211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35085

 agcttgctct agacccttga ggtaatatgc atcaagctag tgacattaaa gaagcactta 60
 ctgggaggga acccaactct ctttttcctt attttattaa tcattgcata tagtcagggt 120
 tcaacttggt tgtgattggt agagtaggtc atcaacctgt tttttatgat caagggggtg 180
 ttaaagcttc tctaaagttg tggatgagga ataacttaga aaatttttca gtcatccact 240
 cactcagcgc gccctgtgtg ctaagcgaat catccttcat gcaactgagcg agtcatcact 300
 cgcgctaagc gcaccaaccc caaacattg gctgaagggg cctcactaag cgagaccacc 360
 gccctgagcc canaacctct atgga 385

<210> 35086
 <211> 220
 <212> DNA
 <213> Glycine max

 <400> 35086

 tccatcataa tggggtgtgt ctcaacctac ctttcagagg gatttcgacg cagcgcttac 60
 agctgtgctt tccaagtga gaaggcgcgc gaagttgcc acaactatta ttcgacgaaa 120
 atgtgacta aactggaacg tgcggtatat gaactttaat aatgtaacga tcggtacaac 180
 gcgttcaccc acggcgaaga tattatcacc ccacacatct 220

<210> 35087
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35087

 agctntgctc taactgcaac agcagagcca ctagaagatc ctccaggaac ccggtctggt 60
 gcacaaggat ttctaggtgt gccataatgt atattctctc catttatact ggcagattgg 120
 aatacttagt tacgtgagta acagaaataa ggtgttcaaa acatacacat gtctgattac 180
 acataaatac caacactcat agtcacattt tccatacggga gaagaaagct ccaccaaagt 240

gagctaaact gagcaagtat ccattttaatt attaaagtgc atcgtggtct taccacagct 300
 aaatttaagg gtggaaacac ctttatgcaa atactttaga gacaaaaata atcattgagg 360
 agccttggac tttctatata ggctactgac tgactgatag atatattact tc 412

<210> 35088
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35088

aaagtgcata tgnctccgac tcaatgcatg gtctcgatag atcttatgcg attgcacata 60
 ccagccaggg cgtcgaaata atatagtcac ctgtgatatg cataaattac ttgtcacaca 120
 gcatttgcac tcgtagaagg gctcaatatg agagtgtac tctgtttcac actaacaatc 180
 tctagttcta tgcaatgtat acctcattta ttaggcacag ttatctgaga gaaaaaatcg 240
 tcccaccacg tcttcgcaga actggtaggt ccagaacata gtgagcgtgc ataacagtca 300
 ctgaataata atacacatga atatctccgt atgtgaatag cttattctta ccaacatgat 360
 gtgttctcat ctaagccagg aaccattatc tctgaacgtg aaattgcaaa tcttttgaca 420
 catctcttta cttcatgtat ataatgaaaa ttccagcttc tccattctct actttgatcc 480
 agagtctatg tgcg 494

<210> 35089
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35089

agctntgagt ctattcaatc tacaatacct tttgactcgg atgtcggatt gagtcacgta 60
 atatctcgag aactcggaa ttgaataccg aagttatgag caaattcaat cgacaataaa 120
 tttttactcg gatgtcggat tgagtcacgt aatatatcga gacgctcgaa attgaatacc 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtcccg 240
 taatatatcg agacgctcga tattgaatac cgaagctctg agcaaatcga aacgacaata 300
 aatttttaca cggatgtcgg attgagtcac gtaatatgtc gagacgctcg agatagaata 360

cctgaactct gagcaaattc agacgacaat acctattgac tcggatgtcg gattgagtca 420
cgtaatatct tcga 434

<210> 35090
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35090

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aagttattgt cgttcgaatt tgccctgagc tacatcattc aattacgagc gtctcgatat 120
attacgggac tcaatcacac atccgagtaa aaccttattg tcgatcgaat atgctcagag 180
attcaacatt caattctcag tgactcgata tgttgcata ctcaatcata catacgagta 240
aaaagttatt gttgaacgaa tttgctgaga gcttcaacat tcaattccga gcatgtcgat 300
atataatggg actcaatcag acatccgagt aaaaagtatt tgtcggtcga gttcgcctcac 360
agatacacat tcaatttcaa gcgctcgatc tatgatgcga ttcatcata 409

<210> 35091
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35091

agcttcaata tatattccaa actcccttcc aaaatctgat ttcaggctta aataggtggc 60
tttgttcgag cttgcgcgct tagcgtaact ctgaaccgct tagcgcgcat tagtgaattt 120
cggttagcg cgtgcttttc tcgctcagca gatggactga agcggagtgc ttaccgggat 180
gacccttcgc tcaacgatca tgcacagttc atcctttttc cagattcttc ctggtgctca 240
gtcgaggagt gttgcgctca gcggatggct cgctatgccca atcttctggc ttagcgagag 300
ggtgaaaatt agcacttcac aaacttgctt aattaacctg anattgagag aaaataatta 360
ttaaacacac taaatgaaag tactaagtat ttactaccta tctttaacaa anattaattg 420
caacactaca gaataaccat aaatt 445

<210> 35092

<211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35092

 tatgaaagat atcagtctaa tgctcataat cagaatattc agaatcacca gcaacagaat 60
 gctcacaatg ctcagaatac tcagaatgct caaaatgatac aggatgcaca ctatgcctaa 120
 ctaatctatg aaagggtata tctatttcat gatcaaaggg ttgtaactca cctggattgc 180
 ccctagtcac tcactatatg cagcaaatca tgtatttttc atactagcac cacgggtaaa 240
 aaggggggta agctacgggt aaaactacaa ctatactcaa acgatatcta gacgatctga 300
 naattcgtga gcaacaccca aaaatcatga aaagatagca caaaaattct cagacaataa 360
 ttcaaagtct aactatgaaa act 383

<210> 35093
 <211> 323
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35093

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 gagagctacc aactcttatt tttgctcatt ggattaatca ttgcatatgc acttgtgatac 120
 ctatgtctgt gatagtatca caatggcggt aaccagtggg ttatgagcga agaagtgagt 180
 gagcttctat tgatattaag aggcgcgata tctttattaa ttctcttgta atacacacac 240
 ttactctctt atgnacacat tatactacac tctgcatgca ctagacgagt tataagtctc 300
 tatgctctca tcactctctt tct 323

<210> 35094
 <211> 261
 <212> DNA
 <213> Glycine max

 <400> 35094

 agcttatctt ttctttaaag aaaactttta ttagatacat tttccgaata gctcttaaaa 60
 aattgaacaa attgttaatt ttttaacaga atattgaaag ggaaaaaatt taagttagta 120

actgaacttt tagggaaaat tattagatga ctcagaaatt acacatctat tgataaaaca 180
 tgattcaaaa catcgatata ccattggttg tgattaaaaa ggaattacat tacatttgtc 240
 tatacatatc aactattcta t 261

<210> 35095
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35095

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 tgggctgcaa taatatatct tcttgatatg ataattaatt ttacgcgcat accagcgtgt 120
 atgccaatct atattaatct cttttaccta cctttcattc aactaataa ccccaaacac 180
 atact 185

<210> 35096
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35096

agcttgtcat atggaaggat aggataccct atgctttntg gaagggcaac ccaacagtgt 60
 ctattattag gagagaactc ggcaagtga acaccacaga aaaacatgat tggaatgcaa 120
 gaatatatga catagtaa atataatcta aaaatttact tttgttttag gttaatgcat 180
 taattatctc aagattaaat taacacatct tttctctctc tcttttcagc aatggttgcg 240
 agagagagca agtaattttg agaactcaa acttgaaaat caatgtacct ttaggtaaag 300
 ttntgaagca tattttatga ttctgatttt tttaaataat tattatagaa ggggttagtt 360
 tactcttttg aatctgtcac atataatctt ttttagattg tacttactac attttgaaac 420
 t 421

<210> 35097
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35097
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 gtacttatag cttctgccga tgggaagagct actggagaga cgtcttactg accctcgttt 120
 accaatgtaa gttttattgc gaagaaaaac ttgggtgagg caatattgtt caatatgact 180
 atataaaggc cacacatgat agtaaattat gttttttgat ctattgggat ttgggtcata 240
 ccacagggaa acccatatcc ttcccattaa tccatccttg cttcagattt gaacctggaa 300
 t 301

<210> 35098
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 35098
 agcttgctat tatgttaagg gactacaaca agaaaaataa tgtagaaac ttagaaaact 60
 agatagaata agataatata gtttaagaga gcaaaaaaac tcaccagaac tataatgaag 120
 ataatgagcg tcagaaatgg tacgggttaat aacgatgttt gttgtcatgg cggctatgac 180
 aaaattgagg gcaagagata ttatcttgag ttaagaaaat ggtttgctgc gttgaaacta 240
 tgatggtggg tgcacataga aatatatgat gagagaatgc ttatattatt tca 293

<210> 35099
 <211> 601
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35099
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 tgcctctcat acntcannnn ncctccacac ggcennatth gttgcattca tagcacgtgc 120
 ggcacactan aatcactcta gcatgtgcgc acgtcgatgc tcgaggggtga cgaggtcgag 180
 tgtcctttgt gaggacatag agagtgcaaa tcgcaatcac gagggcgacga ctatagaagc 240
 gaaggactat gaatactgtg tgggtgacgaa gattgataac attgagagtt gtattccttt 300
 catacattat gacatataac gagaagtgcg actgacgagc gaccgattca acttatgcga 360
 catgacgaat ggcgcgtggc accaggagac taactactca cataatagac tatgccgagt 420

tgatgagtct aatgttattt ctccaagaaa ggatatttta gatgatattt cagaatcttt 120
agaacaaatg catattcatg gagaagatta taaaggaaaa ggagaatgaa gcaatgaaga 180
tactccagta gaagtcaaag caaataatga tcttccaaga gagtggaaag cttcaagaga 240
tcattccctt gacaacatta ttggtgatat ctcaaaaggg gtaacaacta gacactctct 300
canagattta tgtaataaca tggcttttgt atctatgatt gaacctanaa atttanatga 360
agccataata gatgaaaatt ggataatagc tatgcaggaa gactanacca atttgaaaga 420
aataatgttt 430

<210> 35105
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35105

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taacctgctc cactcacaac aggttttagca tcaatgataa tatttttaag ctcaatacta 120
agaaaactct gnaagaagaa acttaaaggg gatttgaaac acttcaagca tcataaaatc 180
aataaatata gaaaaataag tttttaaaat aagaagcata aagctgagcc taagtccttg 240
gacaatgctt ccattccttga aaacaactct tgatctagta tcttgagtac ttaagtcaag 300
gtacacagac ttgataaata agtttagtat atgcacacat ccanaagtcg aattcatatg 360
ttatctanaa atcctggata tntttcacca attcactaga tagatgtaaa tgcatagcatt 420
gatagtaagt atatcactat ttccatgt 448

<210> 35106
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35106

agcttggggc tagagctatc aaatgtccct ttataggata tccacctgga atcaaggggt 60
acaagttgtg gaggatagaa ccgagttaac caaagtgcatt caccatcaaa gatgtaattc 120
ttgatgaaac tagaatggct atcaaggcta aggatcaaca atagactatc agtcaaggca 180

acaacttaga aattactaac gttgaggtgg agctaccagc atgggggtgtt caagtcaagg 240
 aaacaaataa tgatcaacaa cttgaacctt tagttaatga ttacaacttg gctagagata 300
 aagttagaag atacatagtg cctcctgaga ggtgtaacag cgcgccttt tttttntttt 360
 tttagggtttt cctattaatt aattaattat caaataaata aataaataaa atcagggtacg 420
 tcataagttt cccactata 439

<210> 35107
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35107

cttctcccca attntctata aataggggga gaagtgaagt gaatattggt tcagcccctt 60
 aggcaattct ctctctttcg aatttgcttg gaaaaattgt ttccgtgaag aaaatctaag 120
 tcgaggcgct tccgaaacgt ttccgtaacg tttccgtaag gaatttcgag aaggtttcga 180
 ccgttctttg acgttcttca ttcgttcttc atcgttcttc gatcttcaac gggttaagtac 240
 ctogaaccaa gcttttcgat tcattctatg tacccgtggt ggtccacatt gtgtttcgtg 300
 tatttttatt ctgcgtttat ttactttcta taccncttt tgacgtgctt aagccatttt 360
 atttaagtca tttctcgctt aaactataaa taaaataaat ttccatcgat cgtttgaatt 420
 gtattattcc gtaacttctg gtaaaatgaa ttcc 454

<210> 35108
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 35108

agcttatcca tagtggcatt ccttatatca ccaaaatctc aactcaatca ccttttagagt 60
 cctactgaat caataaaaag taacttgtag caatttggtg agtaattcaa cactatatat 120
 aataactaca tctgcctgtg aaatttttag aaacatatac atatcttaca tgaacttaat 180
 ctttaattcta ggatgtgtcg agtactatgt actcatttat gaaagatgaa aaattcactc 240
 atgttaattt ggaagggatt atagaatgca agattgttta caatcacggg aggaagactg 300
 caaagattgg ttctggatgg aagtcttttg caaattcaca aaatttagaa cttgcccagg 360

<212> DNA
<213> Glycine max

<400> 35111

agctttatat cctttgcagt accaaacaca taaaccatag tgtgctgaac tcggtgcata 60
catgaacctt gatagaaaac tagtagataa catcaaactt agtctagatg cattcaacta 120
aagagagtag acaaccagac tattatactg aggaacatca gccttttcat cgccatcatt 180
cttggagagt atttcattta caacaagagg agttgtagcg agatgacaac tctgatacct 240
gaattgtttt taacaaagca taggcataat ttctgtgaga gaaagatacc atcatcaagc 300
tgatccactt ccattcccaa tatatacacc atcacgtcca gaattatcat ttcgaaact 360
tgcagcatgc tcttc 375

<210> 35112
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35112

tgagatatca caggangccg ctacagatgc tactattgct gcgtgattac acacttgagc 60
ccgcttaaag gtaagggatg agtttatcgc aattgctgtt aaaataaaca tgtgtgtatg 120
catcttcaga ggattacatc ggggtttctt ttgtatgcc tactgaacta tatttttccct 180
ttacgatcat aaatacaata ttgttgtgtt tgacggacca attgatgtcc tgatgtgaat 240
tggttgataa acctgagagc tcttagtggt gtcatgtttc tgacctactg atttgatgca 300
ttgattctaa tatgattgtg tggaattatt tgacgtgtct actctccatg ctgtgtgaaa 360
cattttgtat aaatatttat atcgagatta tgaaatgatg a 401

<210> 35113
<211> 377
<212> DNA
<213> Glycine max

<400> 35113

ataagatggc cgaaggacta caccgtctag actgggaaaa ccctgacgtt acccatctta 60
atcaccttgc aggacatccc cctttggcca gctggcgtaa taccgaagag gcccgcaccg 120

atcgcccttc ccaacagttg cgcagcctga atggcaaatg gcgcctgatg cggaatattc 180
 tccttaacgca tctgtgcgga attcacaccg catatgtggc actctacaga caatctgctc 240
 tgatgccgga tagttaagcc agccccgaca cctgcaaacac ccggtgacgc gacacacttt 300
 cgttcctacc aaataaaaagc tcgataagta ctccctccgt aaaatacatc gttcgtattc 360
 gatctcccag tcaaccg 377

<210> 35114
 <211> 121
 <212> DNA
 <213> Glycine max

<400> 35114

agctttctat tggatgatag tagtctaata agtttatgcc atagtacgtc gtactacgct 60
 tggattttta agaatgacca ctctgctage tgattaaagc acacaggtgc acagtaattt 120
 g 121

<210> 35115
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35115

agctttacat cagatttttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60
 ttaacctang gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaacccaa 120
 agtcaccccc aacagccaac aagtcagtca ccatttggtc ttccaaaagg ctgatgccta 180
 ggttggcaat tgggccctta ttacaacttg aactacacct aactaaagcc ctttttagttg 240
 attaacccaa aacatat 257

<210> 35116
 <211> 162
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35116

ntaactcgga tgnncgattc aggcgcataa tatatcgata catttgatat tgaataacag 60

aagctctcga gagattcgaa tgggtcttaac tgttcacacc gatgtccgat tcgggcgcag 120
 agtatagaag agacgctcga aattgatcaa cggaagctct cg 162

<210> 35117
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35117

agcttgagct tggttcaacc ccgtaatcca aggaatggaa attctgatcg ccaatacttc 60
 aacaacatct catagggatg aatgactcgg gcatacttta agcttatgca cggaaaatgt 120
 aattatgaaa ttgagatgcc cgaagaaaca ccatttccta gttaaccatg cattangtac 180
 catgttcaat tattttgttt ttaagtgaac cggtgttatg atcccaacat ggttggctcc 240
 taacacatga aactaagaat gtagtgtgaa gtttcacgct tcccccttct ttgtttttgt 300
 tttgtagagg aaaacgcaag gatgagcaaa catganaaca aatggtatgc aattntgcag 360
 atcanaaagt ttggtgaacg catatgcatg atgatgccat gactcatgca naatggtgag 420
 gctggaatat gataacggac 440

<210> 35118
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35118

taagacatct ctctatggac ttaaacaatgc accgatgcaa tggatatggtt tacttanaaa 60
 cttccttctt gaacaaaaat ttgagagagg aaaagttgat aaaacacatt tcattaaaaa 120
 gatctctcat aacattttac tcatgtaagt ttatatggat gacatcattt ttggttctac 180
 taatcgatct ctttgtgaag attttgtaca caagatgcac gaggagtttg aaatgccaat 240
 aatgggggggg gggattatat tactttcttg gtctctatgt 280

<210> 35119
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35119

tatctcttcg attcattcta tgtaccgag gcggtccaca ttatgttttg tgtatttcta 60
 ttctcgcttc atttactttt tataccccct cttgacgtgc ttaagccatt ttatttaagt 120
 catttctcgc ttaacctaac aataaaataa atttccaccg aacgttgga ttgtattatc 180
 cgtaaacttc gtttaaaatg aattccgacc gttcggtcgt gccgtaacca cgttggaat 240
 cacaaggaga taaaataata gtataataac acaaatatac cttttagtaa aataaagcgg 300
 aaaaatcaat cggacatttt ctctttggga tatctcattg ttaattgaat agactaataa 360
 ctaacgtgaa actaaagcta naatcaactc gcctactcaa gctcgtccac gaaaatacg 419

<210> 35120
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35120

nttaatttca atgcaaggaa gcatgactta tgcctatgaa tctatatatt tggttttgaa 60
 tgtaaaaggg catgaatatt aagacatgtg tgagaggttc ttattagaat ctacatttgg 120
 ctgccccatg aggaatacct tacacctagg tagcatggaa aataccttcc aacagtatgt 180
 atagatgtga atatangtag cgcgaaaata cctttcaacg gtatgtaaag atgtgaatat 240
 atggcataaa aataccttgc aaagtgtgaa tgaatagcaa aaaatgcctt tcacaatatg 300
 tatatttgtg gataggtagc ataaggatcc tttcaaaaaa atgtacccat gtcaaaaatg 360
 gcatg 365

<210> 35121
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 35121

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
 aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcctc tgetgaccac catacagacc 120
 tttgcccttc catgcagaaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagtagc aaaatcaacc acagcagagc aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacgc taatctcaga tgggccagcc 300
ctcagcaaca acaacagcag cctgcttctt ccttcacaaa tgctactggc ccaagcagac 360
catacattcc tccactaatc caacaacagc aacaacccca gaaacagcca acagttgagg 420
cccctocaca actttccctc gaagaa 446

<210> 35122
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35122

ctntggagta gaaacctggg accaactcat tntatttcaa aatggaagtc atatctagtc 60
aaggtctgag agaccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cggggggcgga gtaggtgtct 180
gccatcgctt tggccttggc taacaatcgg ggaagttctt gactcccgtt caaggttaaga 240
gcaaaccgat ccatccacat ggttgctctt tgggtgtaaag agtcgatcac ccttcctcta 300
gcctcttttt cgcataatc ttgggcatac tcatccacga ttctatgctc gtgggccgtg 360
gctagaccgc actcttcttc gtacttggcg atgatagcta acatgttggt ctct 414

<210> 35123
<211> 303
<212> DNA
<213> Glycine max
<400> 35123

agcttgcttg tagagcttct atggaggcta gatctttgag cttcaatgag gtcctttaat 60
ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
catccactat ggaataagcc atggaagaaa gagcttcacc accaagatga gccttgata 180
agaagcttgg agaggggtct tcaatggagg aaaagaaaga gggagagaaa gagagaggtg 240
ggaacacgaa attgaacgaa gaaaatggga gagaacgttg agtcgcgtct cataagactc 300
tca 303

<210> 35124
<211> 316
<212> DNA
<213> Glycine max

<400> 35124

tgtgctccaa catcaaatgt gcaataccaa agcactcact ttctttgctt ttgtaacaac 60
aacaatatat gtagaagaat tcttcatcaa agacttgtag atgtcaacct tgtagaatgt 120
gagtccaact tccttgagac ctaactggta aaccattaac ctttgaaaag aaagttcagc 180
tatacacacc tctgaagcct taactcttta accaagtctg attgatgtgc tttgggttgaa 240
tcattctctt cttggcataa atgtacttgt atgacgcctc acattgttcc ttagaaaata 300
aacgatttgc cttatg 316

<210> 35125
<211> 243
<212> DNA
<213> Glycine max

<400> 35125

agcttctgtt ttcaatgtcg agtttcacga tatactacgg gacactatcg gacatccgag 60
taaaaagtta ttgtcatttt aattttctcg gagcttcagt tttcaattac gagcggctcg 120
atttattacg ggactgaatc agacatccga ggaaaacatt tttgtcgta gaattcgctc 180
agagcttttg ttttcaatat caagctgctc gttatattgc gagacttaat catgcatctg 240
agt 243

<210> 35126
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35126

tgtagcanat tcaaacagga aataaatttt actcggatgt ctcattatgt cccgtaatat 60
atcgagatgc ttgaaattga aaacggaagc tcgtagcaaa tgcaaaacac aataactttt 120
tactcggatg ttcgattgtg tctcgtagta tatcgagacg ctcgttattc aaaacagAAC 180
ctcgtatcaa attcaaacga caataactat ttactogaat gtttgattgt gtcccatagt 240

atatcgacac gcttgcaatt gaaaacagaa gctcttagaa aattttaacg acaataactt 300
 tttactctga tgtccgattg ggacccgaat atatcgag 338

<210> 35127
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35127

agcttangga tggaatactt acttggtggt gatgaacaaa agcgcgaaac ggaatcaaaa 60
 aatgcgaaaa aggatgaccc tagggctgca aactcgtaaa ccccgtaggt atggcttttg 120
 aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc ctttctgtca cttttatatt 180
 ttggtgcaga ggtggctcgc ccaggcgagc tcagctcgcc caagcgagct aacctgcact 240
 tttttttttt 249

<210> 35128
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 35128

tctatcacgt gtgtgtgtgt gtgtgtgtgt atcatgaggg tgtgtcattc tgtgatgagg 60
 gtgtgtatca tcagcgtgtg tgtgtgtcta tgatgagtgt ctgtgcgtgt tatgaggggtg 120
 tgtgcgtgat gagtgttaagt gtgtgtatca tcagcatgtg tgtgtatgat gagtgtatgt 180
 gtgcgtatca tctagctgtg tgcgtgcctg tctg 214

<210> 35129
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35129

agcttccttc tatgattaga gaaagtcaaa gatattagta agtgttctga ttggaatata 60
 gtgttacttt acctctctta agagtgaacg attccttgcgt actataagag tgtacgagat 120
 tatagagaaa ctggaagcag gatgatcaga gatacgacat cttcttactg accatgcttt 180

aggnaccaag acaaatagag cagtcctatc atctcaacag tgctcgatat ctatggagat 240
cgtataagtc aagaagacta ttttg 265

<210> 35130
<211> 221
<212> DNA
<213> Glycine max

<400> 35130

tgagaattac atgacgagaa caagacttat gttgcggtt gtcattgatat gaggacaaaa 60
gacaagaggt ggccttaata gggatcaaga gagaaataac gaacagacta tgtgacatca 120
aaatgtctct tttttctgtg ctgactgctc aactgagga ctcaagatga atctggatcc 180
tcttatatgg agagtgactg tgaccacatt ctcatcatgc c 221

<210> 35131
<211> 376
<212> DNA
<213> Glycine max

<400> 35131

agcttatggc tccaaagtac atcttaaact aaattcacia gagacttatt ctaattgattg 60
aaatcggaact ttagtgatcat aacaacctat gctattaaaa ttaaaactaa cacttcacia 120
tgcttaaata tgcttaaaaa taaatcatat tgccagccca tagctggcac attgatattc 180
cacttgatc atacgtatcc tggactcttc tttctcactt ttgagatgaa ctagtacgtg 240
ttgatcaatt tttcaaacat ctctttggct atcttagctc ttaccttggt gttaagcccc 300
ttatccaaac tgggttcttc ctctaccaag ctctacattt ttccctcgaa cgctatgaca 360
ccctacattc tattat 376

<210> 35132
<211> 367
<212> DNA
<213> Glycine max

<400> 35132

tgatgactac cctcttatgt gaacaatacg ggtatttac atcttggtac atgaatatgg 60
cacagccatt agaaataacg ctaggttagt agccaatgga tacaatcatg aagaggggat 120

agattatgag gaaacatatg ctctgttgc tagattataa gccataacag agatattagc 180
 cgttgcatcc ataatggaat ctaaacttta tcaaacggat ggaaagaggg cctttgtgag 240
 acgcttatcc cagaggacgt atatgtctat caacccccctg gctttgaaaa ctgagatatg 300
 cctaatacatg tctttatatt gaaaagggct ttatatggta tacaacaagc ctctagggct 360
 tggatatg 367

<210> 35133
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 35133

agctttgatg atgcagtgag aggagttgat ggtgtctttc atatggcgtc ccctgtgctt 60
 attccttatg atgagaacgt tcaggatatct tgccctttat cccccactgt tagtattttt 120
 gtctttatct caggggcttc cttacaagaa aataaggagg gtaaataagag aaaaaatgga 180
 cactcaaaag tcaaaacttg ttttctttta cttgatttga ctctgtagct catttacaaa 240
 tgtactacct acgttaatgt ttatattacg gcatgatacc attgaaacgt gactcgtata 300
 agtattaagt acttgaatcc tgatgaatca act 333

<210> 35134
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 35134

tattgtatgc atgcttgtgg tttgatcacc cattggtgtg tgctattagg aacttgatag 60
 agtaggacta gatagctgta gtgctagaca tagtgtgcag ggttctagtt ttcattatcc 120
 tgtgcttata atgttgggta aattaagcta agttcaacaa gaaacatttg cggatgaagc 180
 ttaatttaaa ttagtccaaa cgcacgagac atcggtgttg gtattttggc ctgagcatag 240
 aacacatgaa ttatgtcaaa tagaaacaaa ccctaattgc atcaagtatc t 291

<210> 35135
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35135

agcttgcaca ttgctgcttg atagaagaag agcaagacgg taaatcatgg tactttgaca 60
tcaagcggtta cgtagagtat aaggagtatc cacagggggc ttctgacat gacaagagga 120
cattgtgaag gttggcaact agtttctttt taagcggagg tatcctatac aaatgaaatc 180
atgatatggg tttgctctga tgtgtagaca ctaaagaagc cgagcgaatg ctcatggagg 240
tacatgaagg gtcctttgng atgcatgcta atgtgcatgt catggctagg atgattctaa 300
gggcagacta tcaactggctc accatggaaa atgactgttg catccatgtg aggaaatgcc 360
acaagtgcc a ggcattcgcg aacaatgtga atgctccgcc tatgcctttg aacat 415

<210> 35136
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35136

tcttagtttc acatgatgca gatgggttng tagctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctgcg agttggaagc catcttctca attaaattcc 120
tggcttcagt aggagtcatg ttccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagttg tctaatacct gagatattct tctgatggg tgtggctcctg gaaacaagga 360
taaattcttc taagaatact ctc 383

<210> 35137
<211> 440
<212> DNA
<213> Glycine max

<400> 35137

agcttctcct ataacacagt atcatcagca tattgaagaa cattcacagg aactttgttc 60
ttccccacca aaaaacttct gaacctattc tgggaaactg cttctctcat caaccctgtc 120
aatccctcag ccactaaatc aaagaggaga ggtgccaaagg ggtcaccttg tctcaatcct 180

tcacagcttt tctcacttan agaccccgagt aacaattcct tcgttccaat ttgttaaccg 360
 ttggatcgac tccaaaattn tactggaagt ctctagtaca taaccctaca ttntgaccgt 420
 tgngatctac tagc 434

<210> 35140
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 35140

tcaccaccaa cagagtgtct tggataagaa tcttacggag gaagcttcaa tggaggaaga 60
 gaatgagaga gagagagaga gagaaagtgg cgtgggaatg aaggaaagat agggagagaa 120
 gttgaacttt gaagtttgtc tcacgagact ctctttcctc aaagttacca caagtgttac 180
 acatgcttct atttatagcc tatgtagctt ccttgagaag ctagcgttac acccctctaa 240
 tagctaagct cacctccatg ccaaaatata tgaaggaaga gagctttctt gagaagcttc 300
 cttgcgagac aagtgttaca cctcttcaat agttaagctc acccccatgg gaacacacac 360
 ccctccaata gctaagctcc ccccgcccc agatacatga taatacaaaa caagttccta 420
 ctacaaagac tactca 436

<210> 35141
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35141

agcttgataa tggaagacac atgaacagct ctaggcaata acattcatgg ggctccgaan 60
 aatggtgaga atggaggatt gccttgaggg tctcactta ngcaatcatg aaacacaact 120
 ccaaactcga aagtggagga cacatgacca gccctaagca ataacattca tgtgggtccg 180
 aaaaagggtg agaatggagg attgccttga gggctctcac ttangcaatc atggaacaca 240
 gctccaaact cgaaaatgga ggacacgtga acaaccctaa gcaatagcat tcatgtggct 300
 ccgaanaagg gtgagaatgg aggattgcct tgagggtcct cacttangca atcatganac 360
 acaactccaa actcgaaaat ggaggacaca tgaacagccc taagcaataa cattcat 417

<210> 35142
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 35142

tatccttatg gcaactcccg ccttatgacg actattccgg gctagacgat gaggaaggag 60
 ataccatctt cggccccctg cttcacctca aagatctgtg ccacatgaa ctacccaac 120
 cgaacatagt gcgcatata ccgacctcac ccacaccgt aaaagaatct gttcccttcg 180
 cggaagataa gggaaagatt gaagcgctcg aagagaggtt aagagcagtc gagggccttg 240
 gcaattaccc attctcgtat ttagcggatt tatgtctcgt gcccaatata gtcattcctc 300
 ccaagttcaa agtaccagac attgataagt acaaagga 339

<210> 35143
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35143

agcttctaca ggatcttccg cgtgatccaa cggaagaagg ttntgtagga tcttccgcgc 60
 gatctanccg aatgatgatg tttttcgtgg ataccgatga tgatcctgta ctatgctatc 120
 ccttaggcac tatattgcta atgtggcata acatgcggat gcctatactc tatgggttacg 180
 ttgattgtag tgactcgctt tgtccgctcat atacatattc atc 223

<210> 35144
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35144

gtttacaaag cgtcgatgcc aagtgtatac tgtttttatt tcatgntaca attgtacgca 60
 gcttgtgtct cttcataga gagggcatgc acgatggcct ttaacactgc attcattcaa 120
 attcctatat gctagaaagt cattaatggg gcccaataac attgcacaca acttgaatga 180
 tcaatttgga tagccatcaa acacaacaat gcactcatac tacaactttg tcaagtactt 240
 aatcaagga cagagataaa caccaatata atatcctcgg ctgtcttgcg gctgatagca 300

tcattgacaa catcatgtat atttgttgca tgcgcaacc 339

<210> 35145
<211> 352
<212> DNA
<213> Glycine max

<400> 35145

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tctttgattc aaaagaagac gccaaaggaat aaagctcatc ttgtgagacg cttgggtcaag 120
gtggagtaca tgggtgggta gaacatgatt gaacatctta aaaccttcaa atgtattggt 180
aatcaattaa agaagataga tatgaatata gattatgaac taaaaactct tctactcctc 240
aattctctgc ctgagagita ggacacattg gttgtcactc tcaacaactc taaactagat 300
ggaaagctta gcatggataa tgtcacagat agtttgctaa atgaagagtc ta 352

<210> 35146
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35146

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gcatttagcg atggcaacga tgtgcgcact aaacacgtgt tgatcgctga gcgcgctgct 120
aggttgggct ggatgatgta atcttaattc ttctttgtaa ttagctgtac taaatgctct 180
tacttcctaa aatagatata tatgaacca gtatttaaaa aaatatcaat acttaacaat 240
gtacaccaaa taactactat ataattatctt ttgagagataa ttntattgta ttattctatt 300
atccacagca taattattta gtagatatca catcggtggc ttgagattat tgcatttaca 360
ttagttacct tgagataaaa tatactcatg ttaattacat tgatttagag atcccaacaa 420
gtntgggaaa agcagaaaat tatggatcct aatata 456

<210> 35147
<211> 189
<212> DNA
<213> Glycine max

<400> 35147

agcttaagaa ttttaaccaag ccgaggtatc ctatggtaac atcccacttt ttttaccatt 60
tcaatgatct aagaacacta cccaatcaca taacaaaaca ataacatcgt ctatcacacg 120
cacatagaaa attgggattt acaacaaatg cacccatgga tcaaattccat ttgtttcccc 180
tccccccct 189

<210> 35148

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35148

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tgcgtgggtt ctctttccag tgaacgttag ccaagaagta gcccacaaat tccattagtt 120
atattggtgt gaaatgtttt gtagactgtg gatagaaatt aaatgctttg aatatcatat 180
gaatgtagcg ctatgttcta tgaaggccac cttttggatt tcttcccact tcatctctac 240
gtgcttggtg gtgttgatat tcaagaaact aagaaagttc ttgaatttg ggaatcaaat 300
aatattaaaa attaagagtt gttgtagaaa ttaggactga tttattaaaa caaaattagt 360
ggcccttaca aaaatcatat ttccatgtgc aacaatattc aatattgtag cctcttatct 420
gtaggtacac tgtaatggat atccaactaa tatat 455

<210> 35149

<211> 449

<212> DNA

<213> Glycine max

<400> 35149

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taataataaa acctcaaaga gagttgtgct tgatcctcaa gagaaaacaa cggttgatag 120
ttagccttcc attaatcagt agaaaacgaa attgcagatt gaagcagaaa acgaaatttt 180
attgctaggt gaatagtaaa aactggaatt gcaaaaccta aaattattct ttctcccaa 240
aacgaaaaga gagctctaaa actaaaacct tgggtgctgtt atataggttc tcagcccaa 300
agcttacaaa tctattttta gtccaagccc ataaataaaa taaaatctgg gcaagataag 360

ataagatttg ataaaatata atctagatga agtagaatct agataagata agataagata 420
 aaatctagat gacataatat ctagatgag 449

<210> 35150
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 35150

agcccaccat gtttacatcg tagaactg gtgttggtc tactatcatt gtcattcattg 60
 atctctccgt cattgagagt gccacattct gctgccagt atctccacct ttgggcgtat 120
 tcttacgaaa gattcttgcc cctttttgac acatgttctg taggtgcac ctatccgacc 180
 atattatact gacactgcct aacgaaagcc accactaagt acttccaaga atggacttcc 240
 gcaaagaacc aggtacagta ccaggatata gctgcccga taagactttc ttggaaggaa 300
 tgtatcagca cttctcatc ttttgcgtag gcgccatct tccgataata ca 352

<210> 35151
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35151

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 ggatgccccca cattatttcc atgacacaaa tgcaaaaaat gatgatttgg aaattttatg 120
 caaaactggg catgcatgca cctatgcaga cgttcaagtg tcaaattttt atgggtcatgt 180
 gatgctaggg ctgangattc atttctctca ttttaaatca acccaatgtt tccaaaatat 240
 gttcttttat caatttgtgc atttctccaa gtccatttgc agcgtccggn gaaattttca 300
 cagcattcac ctttcagggtg tagacacgtc ttttcttcan aaatcgatta tgatcaatga 360
 aattntntca nagaaagggt ggaaatcatc ttttttcaca agcatgtcgg ctnttagcta 420
 gacaacttat tttctctt 438

<210> 35152
 <211> 418
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35152

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actttctctg attggtttaa agatacaatc tttgctgatg aaaatgcttc agaaacatta 120
agaaagctag cagattggcc taaaaaatg ttataacttg gcaaggatac gacataaaca 180
actattcctt ttacacaaaa gcacaagacg acaaaagtac aatgcaaac agcaggggtca 240
ccgtaagggc taaatctcaa cattntgcaa gtatgcatga tgacaatccc tgtgcagctt 300
ccatccctta ctttgggttc attgatgaaa tttgggagct taactatgtc aaatttactg 360
tatgtgtttt caaatgtaaa tgggttgata gcaacaccgg tgtgcagacc gatgatgt 418

<210> 35153

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35153

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tatctagtca aggtctgaga gaccatacaa gtttcctaac gatttctaata tatgcggggc 120
attaagtcta tcatatgctg acaatagccg agaagcccat gaatctcttc gggggcggag 180
taggtgtctg ccatcgctt ggccttggct aacaatcggg gaagttcttg actcccgctc 240
aaggtaagag caaacgac catccacatg gttgcctctt ggtgtaaaga gtcgatcacc 300
cttcctctag cctctntttc cgcataact tngcataact catccgcgat tctatgctcg 360
tggggcgtgg ctagaccaa ctcttcttgg acttggcgat gatagctaac atgttggttt 420
ctgtctcgca ta 432

<210> 35154

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35154

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atgctcctga atcggacatc cgtgtgaaaa gttatgacca tttgaatttc tcaagagctt 120
 ccgttgacaca atatcgagcc tctcgtcata tgatgcgccc gaatcggaca tctgtgagag 180
 aagttatgac cattagaatt tgacgagaac tcacgatgag caatatcaag cgttactata 240
 tgtgaggcgc ctaaattgga cattcgagtt aaatgttatg accattcgac tgtctcaaga 300
 gcttgcgctg atcaattttg agcgtgtcta 330

<210> 35155
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 35155

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 ggatcattct aggactcgca ggaaggaagc tcaatttgcg acacacgggg tcaatgcgct 120
 atacactagt ggctccaacg tgattgaaca tctgtacaga ctaacaagga ttggagacta 180
 tggcttgaag aggatattgc tatagcttaa gcactgcgta ctgttctact cctcaattct 240
 ctgcctgaga gtcacgacac attgggtggc actctccaca actctaattct acatggaaag 300
 cttagcatgg ataatggcac agatagttt 329

<210> 35156
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35156

tatactatga aagtgaagtc gataactctt aatgttggag acttctttgg aagttatcct 60
 gcccatggat agtaacgac gagctttggg caaatggtcc ccanattggg aaggaccggt 120
 taaagtaatt cagatctatt ctaatggtgc ttatgaatta gaggaattaa cccctcacia 180
 acgtact 187

<210> 35157
 <211> 405
 <212> DNA
 <213> Glycine max

atggtcataa ctttgtcca

379

<210> 35162

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35162

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tctcgagagc attcgttgtt caattntgag cgtctcgata tattatgcac cagaatcgga 120

cttcogtgtg actagttatg accatttgaa tttctcgaga gcattcgttg ttcaatttcg 180

agcgtctgga tatattatgc gcctgaatca gacctccgtg tgacaagtta tgaccatttg 240

aatctctcga gagctttcgg tgttcaattt atagcgtctc gatatgtgat gcgcccgaac 300

cgtacttccg ttgacaagtg atgaccattt gaatttctc 339

<210> 35163

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35163

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gaggcccctc caaagtgttt tgcaagggtta taccaccaac tgcttgccct tcagtggcat 120

atccgaggca aggctcgaag tcggctagac tgtggtgggg aatttcatgt gtctcccca 180

tgggttgaga gacatgtaca tgatgaggtt gtcggctctc aatgagtatg ggagcagagt 240

tattgacatc ctcatggga gtgtacgcca cattngtgg tgtatagttg ggaggcaagc 300

catatggcgg gaaggtgtgc tcgttttgaa tntgcacatc atggggtcgt ccgtacttcc 360

taaatctttg cctaccatat ctg 383

<210> 35164

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35164

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gtatgtatac atgattttga tgatgccaaa gaagaatcaa actaagttgc ttcaaaggat 120
aagcatggct ttaagattaa tacaagattg attcaacaaa catagccttg cttcaagatt 180
aactcaagat caagcctggc cttaaaacaa agtgctttca agacatgcaa ggctctggta 240
atcgattacc aagcagtgtg atcgattacc agaagacagg gttgagaaat agctgttgaa 300
aagggttttg aatttgaatt ttcaacatgt aatcgattac catatgtttg taatcgatta 360
ccagtggaga gttttcaaaa aagtcatgac acttcacatt ataactgtgt aatcgattac 420
acaaacattg taatcaatta ccagtggaga 450

<210> 35165
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35165

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gacagttatc attgcttggg acatttggaa atgattatat ttctctcttt tcttcttacc 120
taaaacacag tgaaaagaaa gtgatacttt tgtgattatt agtgaaagta aaatatggaa 180
atagaaaatt ttctcacag caaatagacc tttaattttt tattttaaga aaagatgttg 240
gcaccttcaa gtggaaatth tctaatatat aagactatth gccaaagtaac atcagctaca 300
aagaagacag acttttactt tctggtagct ctgaatttgg ttacttctta ttcttctc 358

<210> 35166
<211> 346
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35166

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cgacagtcac cgctttagga gcgttgatca ccagcagcgc ttcgaggcca tcaagggatg 120
gtcgtttctc cgggagcgc gcgtccagct catggacgat gagtatactg atttccagga 180
ggaaataggg cgccggcggt gggcatcact ggttactccc atggccaagt tcgatccaga 240

aatagtcctt gagttttatg cccatgggtg gccaacagtg gagggcgtgc gtgacatgag 300
atcctgtgta aggggtcagt ggatcccggt tgatgccgac gctatc 346

<210> 35167
<211> 394
<212> DNA
<213> Glycine max

<400> 35167

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gatatcttaa gaaggggggt tgaattaaga tattgcaaac tattttccca attaaaattc 120
tatttcaatt tcaatgcaag ttacaaattc ccttaaaaaat gaactcttaa ataatgattc 180
acatcgaaca atctgaatat aaatataaag caataataaa taaaagagtt taagggaaga 240
gaaagtcaa actcggattt atattgggtc ggccacaccc ttgtgcctac gtccagtcctc 300
caagcaaccc gcttgagaat tccactatct tgtagaagct tttacaagtt ctgaacacac 360
atagacagtt cttcctttga gttcatactt cttt 394

<210> 35168
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35168

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tcaactgtaa caatgcttga tgatgataat gcccaagcct tttgtgccag atttctgtgt 120
gattctctat gagagagaaa acaacttgct cctccttcaa tggatttaga gcaaaaacttt 180
ttcctttcat tnttaccttg aagatttctt gaccagctac atctttaatt aagcaatatt 240
tgtcttccaa tacaacttta aatcctcggt caatcaattg gccgacactt aataagattt 300
ggccaatttt cacaatgaat aggacatcag caatacatct tgtgcctgca gaacttgcca 360
ttgcaactgt cccctttcct ttgactagga tatcatcacc attacaaatt ctgactt 417

<210> 35169
<211> 455
<212> DNA

<213> Glycine max

<400> 35169

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agcttctagt cgtccataga cctcctctgt ggttcggtct agcaaacggt gcacatctgtgc 60
attcatcgca tccactaaca gacgttgagc gccgtccaac tgatgggtact cgtcaccacc 120
accacctgct ccagccataa ttcaacagga aaaaaaaaaat gtgcaataaa aattattaag 180
gtttcaggac ctcaaacac tctactcacg tctcttagat ggtagtacac tcgtgtttta 240
tgctctcaat aggcttttgt gtaatgtatt ccctcttgcc ttttaccact cgtgttttct 300
cttaagttcc tggatggacc aaattagaca cacaaggtaa tataaaatag aaggaaagac 360
aatataatga tcacaaacag atttgatttg cgataacaac ttggacttga tttggataat 420
aatatattag atttggattc ggataacagg tgagc 455

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<210> 35170

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35170

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gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcaccccat gacaaanaaa gatgaaaata caaaaaaaaa aaagtcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcccaaa cgaaggaaaa acctattcta atatttataa agataagcgg gctcatactt 300
agcccttggg ctcaaaatat accctaaggc tcatgagaac cctagggcct tcccttggat 360
ctctagccca atctacttgg agtctttctac ccaatgcctt tgccgggatag gatggcatca 420
ataactttca catgg 435

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<210> 35171

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35171

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 taatgatgaa caagctcttt tagagtcagc tctgactaaa cttgttggag ctgcaaaaat 120
 ctacaaccta aggatagaga acttagtggt tcaacttcaa tttttatctt caaacttatt 180
 tctagtgtct cttgttatca atccttttgc gtcttatatg tctttaggag aaggcttacc 240
 agatgtaggc tttattttgg atgtatntaa gttttttcct atacctatat taccaagggtg 300
 aaactccaaa tctgactgga gaacaatacc aatagtactt atggtagtg tctaagtttt 360
 ttcctatacc tatatttctt tgaaggagtg gcactgatta ctttcttaat tttgctttac 420
 aggtagaaac aacttttg 438

<210> 35172
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35172

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 ggctcttcat tccaagaccc ttgtagacat tcctttctct gagactctaa gagtggattc 120
 gggatcatgag catcctttat tccaagaccc ttgtagacat gcctttctca ctctgctttt 180
 ctttcctttt tcatgtaata tggctaagta cgattaccaa tccatcaaaa gaaaaaaaaaag 240
 ttgtcaatgt tgaagtggca gaagattgtg ctctctctcc tccatcaac actgagtcgg 300
 acgagaggaa ggatcttagt ttttcttctc aagatgttac aaggaagaag caaagagtgg 360
 ctactccatc atcgattatc gctcccttct ccatcgagag ccactcaatg ttcctttcta 420
 tgaaggaggg tgagtattct ca 442

<210> 35173
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35173

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 gatgatgaat tcacaatctt ctaaaagcct gattgatctg aaaaataata tcataacttt 120
 taaattttat gaaagtgcaa agctaattgg gcgagtgtca aagtttgatc tcattaagaa 180

atggatttct agaagacacg ccacatcaca tttgtatcgt attaaacaat taggtccgaa 240
 agaataatgg ttcaatttaa atactctcaa gtgtccccga acaatatcaa aacgttgatc 300
 ctaatctatg ttgaaaagac acccaaaaaa gaacaaatta cacatctaca aaagaagatt 360
 atgttaaaca caagatatca catatgatcc aatctttcgc cctttagttt tgtataattt 420
 cgtttaagtg cgcacacatg c 441

<210> 35174
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35174

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 ctaacaccaa ataaaaanaag attaccgcta ttacactat cttttcttct tcttgaagtt 120
 atactgctat atggagacca tgggccattg atgatctaga gagtgtcttg tatgtgtggt 180
 atacatgtgg atgaggatgt tcctttactg tgggtcacia agtgacttct agcgccactt 240
 aaccaaagtg tgtgagtgtc tctcctcaa taataccgaa acattgtgta tgatagcaca 300
 cattatataa aaaaagttct taaaaaagggt ttgtcaccat gatttggatc acatcaagat 360
 tctttaactg tctgtgtttg taattggaac tgcacgatc acatttgtcc atgaattgtc 420
 gggatatcaa taaatgagat gatatcacia ca 452

<210> 35175
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 35175

tagctgatgg caatcagtaa tactgagcat cttctaggac gtgttctcac atagccccgt 60
 aggcaattcc accatatctt tgcattagtc aatactcata tcttctacia ttggaagagc 120
 atctgatatt agcacgttaa cgttttcaaa agcctgtctt gtattacaaa cgtgaacgta 180
 tgatttttta agattcttct tcatgactac gggaggatcc gagatccgct ctaatctcat 240
 tcttcttaag ctggatcatg agatcaccca ctcaatattc ttcatttcat aacgatggaa 300

<212> DNA
<213> Glycine max

<400> 35178

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aacaaatccc aatggtgatg acgcgcataa atgatccccg agcccgatgt tcaaaagtca 120
agatgtacca cgactagatg ggcacatcat accaaatcat actattacta agacacgttt 180
ggatggatgc aggaaaaata tactgtctct cgagatgaag aacggaagcc gaactcaata 240
ggaagagaga acataccgac gtatcatgag cgtaacaact gacctatcat atct 294

<210> 35179
<211> 227
<212> DNA
<213> Glycine max

<400> 35179

ctacttcatg cactcatcta acgacaatag catcacttct ggcactaaat tgccgggagt 60
tggaagccat cttctcaatt aaatttctgg cttcagcaag ggtcatgtgt tcaagggctc 120
caccactggt aacatctatc atacttctct ccatgttgct gagtccttca taaaaatata 180
ggacgagaag ctgctcagat atctggtggt gagggaaact agcacat 227

<210> 35180
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35180

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gatgatgcca aacttgaatt gccatttgag tgcactctgga gagtcttaaa ggtaaaggct 120
tttcttagac aaacctgaaa gtttcttaac actaagagaa gcatcaattc atatcatcat 180
catcattaag tagagttata tatgaatgta tattctaata caatgctaata gcaatttctt 240
tttttttttt ctttatcccc ctacataatg ctaatgcaat aactatgct aatgcaatgc 300
actatgctaa tgcaattttt ctcccccttt tggcacaaca aggccaaaaa gttattacta 360
ttcatagaat ataaacaaac aagcatataa tgcgaaaagg gaaaatatca tggcctttta 420

ttcatataag agccattaca acttagacat

450

<210> 35181
<211> 325
<212> DNA
<213> Glycine max

<400> 35181

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tggagttatg gaagatctac tcgccaaagt taatggttcc gttttccttg aacattttta 120
cattttggat atggaagatg attcatctag atatggttct atattgatcc taaggagacc 180
attcctcatg acagcccaga ccaaaattga tgtgcatata cggacacttt ccatgtagtt 240
tggatgatgat gctgtgcagc tcaacatctt tgatgccatg aagcatccct cacaagacca 300
ctcactcttt cttcttggat gttat 325

<210> 35182
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35182

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agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
caccocctat aatagccaag ctacccccca tgacaaaaaa catgaaaata caaaaaaaaa 240
gtccttacta caaagactac tcaaaaggcc ccgaaatata aaggctaata cctatactc 300
ctagaatgac caaaatacaa ggcccaaacg aaggaaaaac ctattctaata atttacaag 360
ataagcgagc tcatacttag cccatgggct cgaaatctac cctaaggctc atgangaacc 420
ctagggcctt ccttggatct ctagccagct c 451

<210> 35183
<211> 431
<212> DNA
<213> Glycine max

<400> 35183

agcttattct gtgattgaat caagaaaaag attttaaaat aacaaaaata tggattaatt 60
 ttcttaacta ataataaaaa tatgcattta ttatgtcata tatgtgagaa gtagttatag 120
 aggtacctga atatcaagaa ttgcttgcca tggaaaagga acaggagcat gtggattgtt 180
 taaaagaaag ttgaacaata caaaagtatc catgacaaag taaaatgaga atagagagtc 240
 actgatactt gagatgactc actctatata tagtgagtca tgacatgaat ttcaactatg 300
 catttatctt tcccatatta atgtaaatga aagaaactac ttttattgaa ctgtttcatg 360
 aaatttaagg aagtgtgtat cacataaaaa aatggcttta attgaggaac acaatttatt 420
 gactttgaaa a 431

<210> 35184
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35184

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 cttttgagaa agcctgccct agtttggtat gccaaagtagg aaacaatata tctatgtcaa 120
 aattacatgt gacacctaatt tgcattgttt gtattgacaa ttatgaatta tgataggaag 180
 atgaagttga actacaggga aatttattaa acacgtacag tatgaacaaa tggagaaatt 240
 gcaatgtaaa tatacaaatt ataaaggaga aagaagaaac aatggtgaga gaaagaggaa 300
 aataaggtct atgagtttag agaaaccata atgaatgtac tttnttcttt ttgcataaca 360
 tggcatcagt atgaagtatc cactatcgga agcaatgact aatctccgtt atagatcata 420
 agtgacatga tatgggtatt cttctc 446

<210> 35185
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35185

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 ctggagttgc tgcacatgat gtccaacgtt atgtcaagga ataagatcgg gctgcacaat 120

<213> Glycine max

<223> unsure at all n locations

<400> 35190

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ctcacacacc ttgttttagcc aactgagcta aacccttttg atgccttctt ttatatatat 120
atatataact tcttttatct atttctagta tgtatacccc ttttctgaat tgatggaata 180
tctgaatata gagcttttgc aacagtcatt tattgtacaa tatcacaact cactagggta 240
ttttttttcc atttcttctg atatcatgta gtaattctct tcgggcttct cttcaaaatt 300
tggaaagagt ttcacttagt tcaacaggga tgaatacaca tggacatcca aaacgtaatg 360
atgattgtga ttgcactctc tgcctgaagt tactgtatga acctgtcaca accccttgtg 420
gacattc 427

<210> 35191

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35191

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taagtattta ttacctatac ttaacataaa atacttatat cactacaaaa taaccataaa 120
ttgggagagt ttgatataat ttatacaagt ttatacaca aaagttagtc gtgttcaccg 180
actaacacaa cacacatttt ctttgattgc tttttttttt ttacacaact tatttggtat 240
gtgtgtgctg atgctttacc tttttcttta caccctattc aactccactc ccccaaattt 300
ggggtaagtt tgccttgaac catatgctct cctagaatct aaacaaggta tttggagata 360
attatttaag ttcggcgttc aattntgaca atgtaattca gctcanaaaag ggtgcaaagg 420
atacaattat tattcaaggt aagc 444

<210> 35192

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35192

ngcatgcatc tgcaccccta anaatcatgt taactacata gattttctac atctaattggc 60
 caatcttttg aatttgggac gatcgccct ctcaatgagt caatctcttt ctttctcata 120
 aggatggacc cttgggtact agtaccctcg tcttcagagg gctgctcgcc ctggtcttca 180
 aaggactaca cgtcctcgcc atcaaagggc tgcatgccca cgccatcaga ggactacca 240
 tcctcaccat cagagggcta cagccctca ccttcatagg gttacacgcc ctacaccttc 300
 gaggactaca tgcctcacc ttcagagggc tacacgacct cgcctttaga ggacaacacg 360
 tncctgcctt ctgcttcgta gggctacacg cccatacctt tagaggacta caogtcttcg 420
 ccttcagagg actacacg 438

<210> 35193
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35193

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 tttcaccatg gtcatacact gtttatatga aatgacaaca tgagagtaag gaataatcct 120
 tatattggaa caacagaata ctgcaacaga ttctgaaatc tgttatccat aacagtgcaa 180
 caattttctg aattgtaatc agttgctaag ttattatctt tctagtgtt tatccttcta 240
 gtgctttatc tctaattttc tttatctgta atttgaattc ttgatttgct ttatctgtaa 300
 tttgaattct cagctctata tatgtaactt atatcaacat caatgaaact gagctcttta 360
 ttctattcat tctctctatt ctctatacct cacacgatag cactggatt aaagagcana 420
 aactgcgtag ttaaagtgt catgctattc ta 452

<210> 35194
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35194

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 attntccacc atggaatgca gcggaagaca aaggagaaga ggtgagagga ggcgcaatcc 120

attaaggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180
 cttggagatg atgcttcaat ggaggaaaag aaagagagaa ggggggagca cgaaattgaa 240
 ggaataaaaag agggagagaa gtggaacttt gaagtgtgtc tcataagact ttcattcatc 300
 aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt ccttgagaag 360
 ctntcttgag aaaacttcct tgagaagctt ctttgagaaa actctcttga gaagctagag 420
 cttagctaca cacacncctc tcataactaa gctcacct 458

<210> 35195
 <211> 591
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35195

cacctacatc actccactan gtatcgggag tanactcgac cgacatgcgg ttgtcgacga 60
 ctcacatcac cagcaccaaa caaacacaat tgaagcggtt gananctgaa acctcctag 120
 caccctggan gcatgcaagc taccaaccag cctcttcctg cgctacttct tggcgacta 180
 ttcccactgc actgacgaaa tatcacggcg aagtgtacgc agccacatca ttgctaccat 240
 cgccacacag acacagaaca atcctccccg agtcacacaac ggagaaccac cgaaccgggt 300
 catcactcac caccacatac gcatcccata ctgaagtcca cgccacatca ctcacctgaa 360
 tgcacgcaac cgcaaagcc cgccacacaa catcacaacg atgagactaa gacaaggaag 420
 acgacaatac gatgacgaac gcgactcccc ttggacgcca caaaacacaa cgcaattcat 480
 caatgagaac gctcacgaa agaccaccac atcgacctac acaaactgcc cactaccctg 540
 acgaattcaa tctactgcgc cgataaccat aactcacacc gtactcaacc g 591

<210> 35196
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35196

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 ggcaaaatca caatgaacat gttagattgc taccttttac tttgtgtat ctctgttgag 120

gatggcatct aacttgattc aaattattat ttgttatggt ctacaggtta nggagatatg 180
 cggttgagtc atacttgga caaattttat cacatgggtt cttccatgct gaccctgtga 240
 gtttgtactt ttagaatcaa tatcagaaat ctctctatat attatgttac attatatatg 300
 gattagctat ctggtaaatt gtatagtaaa gccaaaatgt taactgtctt tgaacttgct 360
 cttatgttgc aacgctagca tctattgtct gagcaatgag atgtacgcta cttgtgtttt 420
 acaattatta ttcttttgct ag 442

<210> 35197
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 35197

tcggaagaaa gtgatgaggt acaagcccta aaggcagagc ttgtttgagc ccgagtagtc 60
 gaagagaagt tcaaatccat agccatcaaa gtctgaaaag agtatgatga actaagggac 120
 gtcaatatgg ccaccgctga agccttgga cgagaaacca agaaggcccg aaaggaagaa 180
 cacgtgccag caaagttttg aagggtttta tagggcagca atagtaagct caagctccga 240
 agaggtgaaa ggaatcatca tgggtcaaag gcatgatctt gaaggacgag ctaaaggctt 300
 accttaggtc gaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360
 ccgtcatcga tgagtgcaaa gagaagctaa atctagcggc gactcacgag caaaggctag 420
 aggatgagta cgccaagata tcagcag 447

<210> 35198
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35198

agctcgaaac atatagattg aatcctagct cctcttaagg acttagttat tatatctgtc 60
 aactggtcac tagaattgat gaaccacgag ataatctcct tggacaataa tttctctcga 120
 atgaaatgat aatcaatctc tatgtgttta gtcttttcat gaaagactgg atatgacgca 180
 atgtgaagag ctgcctgatt atcacagtat aacttcattt gcaccacttc acaaaattcc 240
 aactcttggg gaaattgttt aatccacata agttcacatg taaccatagc catagatcga 300

cacctcgata tatgtaactt atatcaacat cactgagact gagctcatta ttctatacat 360
tctctgtata ctctata 377

<210> 35201
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35201

ttgatgtttg tgttgaatgc attaaaggta nacagacctt atgcacgana taagtgcata 60
tagggctaca gacgtcttag aattgatata tacgaatata tgtgggtcat ttcatacacc 120
ttcgtggagt gggtgacaat attttatatc attcatagac gattaatcca gatatgcata 180
ctttgttctt atacatgaaa agccacaatc tttggatgtg ttaaaacatt taaagtttaa 240
gttgaaaatc aactcaacaa aagaataaag tgtgtcagat ctgaccgtgg tggtaaatac 300
tatggcagat atgacagttc aggtgaacaa tgtctggngc cttttgccag gtatctagag 360
gaatgtggaa tcatcccaca atacaccat 389

<210> 35202
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35202

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catgtgctaa cgagggttca tggccttgct cgacaagacc tgcacactca ttgcatagaa 120
tgtcacatcg tctgctcaa cataatgacc tcagatgtca catagatgat cacacactca 180
ctgaccgctt tttctccttc attacatgga gtggcacatg actgactgaa ttaccttgct 240
ccaaggcca tcgccagctg ggatgacctt aatagactat tctcataaca aattatgtct 300
gctttcagca ccacatacat tangaatgat atctccagtc ttacataact cctcgggatac 360
agccctgttg actactgcta gagattacac aactatgtgc c 401

<210> 35203
<211> 419

gcacatatta tctatTTTTT cggacatgca ttcattcccc acagacgcta gagtatttgc 360
ccacatatat cctatgtcta ggaactaaaa ttctatgcac aatgaacac 409

<210> 35206
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35206

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cgattatcgt cttctatttg acacgatctg cactgcagac tatccggaac caaatgacaa 120
gaggacggac accgccgaac gaacgcaacc atcatgacgt tccaagttag gactcaggaa 180
ggctccaagt tagggcaccg cgtaacagct accccagtga gactgccttg ggagaaatgt 240
attagcagat actcatcaat gacgatgccc ttatcgttcg acgatacata ccaggatggg 300
tcatgcgga ggtaaccccc ttgtactagt cagagtacag caccatgaac tcgcgagggg 360
tgacgatacc gggaaccacg aacaccactc ctaggaagca aaggcacaac tgtacacgct 420
caaggacgtg accgatctcg 440

<210> 35207
<211> 391
<212> DNA
<213> Glycine max

<400> 35207

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agaccttcaa tcctattaca caacgtggcc gacaaaagtg ggcagttaac tcgaatgggc 120
attattgtca atgcagaagg tattctgcgc ttactatcc atgttcacat attattgcag 180
cttgtgggta cgtgagcctg aactactacc aatatataga tgttggttat acaaatgagc 240
acatcgtaaa agcttactcc gcacaatggg ggctcttgc gaatgaagcg actattcctc 300
cttctaata cgcatggaca cttatccatg acccaacagc aattcggtcg aaaggctag 360
ctatatcaac aaggataatg aatgagatgg a 391

<210> 35208

<211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35208

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tcttggcact gtcattntcg tggcatctga ggggaccatt attacataca ttctttgtcc 60
caccgaatat aactcgctaa gattttctgg ggaaacaaac gatctgcata attttctgag 120
atgaagaaag ttaaaggaag gagaatctgc agttggaaga tctctcagct caccgaatctc 180
taatgttgat ggcttgcttt tcataactcaa attaaagtgc gtgtgtgttt gtgatcaatt 240
aattaatgtt gagttttaat caatggagta tcagtttata tatattttacg acagcagcac 300
taaactttta ttaagaaaat atataccact gacatgaatt attcaatcaa tcagcatgac 360
gacatatcaa tgctatccgc attaatatag gaataaaagt acaagtttat attattaata 420
attaataatg ttcaatgaaa catgga 446
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<210> 35209
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 35209

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agcttttttg aaggtgcctt attgtgtgtt gttttacctt cctgagacaa tttttaagtt 60
aaccctcccc aaaattaggg gcatatcatg actaacatcc ttatgctcta ttaaacccta 120
atacaaggta ggagataatt aaagtaggct taagggttct acaaaaaaca tgattatcat 180
ttttggctta aataacgtgc aaggggataaa ttatcaccaa aggttggctt tttggctaag 240
tggtctaaaa taagaagaaa cattgccttg atcattacca cctcatgtaa ttaatctaac 300
agtctaagaa tgatggaaaa tcgggaaatt aaaaatagac gttctctcac aagtaagtgt 360
cgcacaaact accgggacaa aacaaagttg ttagcttata gcaccatgat ttctctcaga 420
tggaactaac t 431
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<210> 35210
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35210
 agcttcttat ccatggcact ctcttggtgg cttaactcct tcttccatgg cttattccct 60
 agtggatgac gtctcttctc acctcttctc ctttgtcttc cgctacatct ccatgatgga 120
 aaatcacgat tgaaggacct cattgaagcc caaagatcca gcctccatag aagctccaca 180
 atcaagcttc caccacgtaa atgactgaag acattgaagt ctttgaaatg taaatgaaga 240
 cattatagtc ttttgaaagc gtaaatgaat gaagacattg aagtctttga aatgtaaatt 300
 aagacattgt agtcttttga aagcgtaaat gactaaagac attgaagtct gtgaaatgta 360
 aatgaagaca ttgtagtctt ttgaaagcgt anatgactga acgcattgaa gtcttttgaa 420
 at 422

<210> 35211
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35211

ntataagtgc gggctctgga gacgaaggtc aagtgttcgc gatatgtgaa gatgatgttc 60
 caagtacttc ggatttggtc cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacgcaacga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctagtc tttagagttt tcattntggt aaggctttgt gtcttttggt 240
 tttgaattta taatacaagg atctttcttc atctgttcct ggtctctacc cattctcatt 300
 catttgcatg tttacttctt tntctgaaac ggcagattcg atgacgagtc ccccgaaagg 360
 actaatacct gngacccgtc tatcaacttc gagcaagaaa tgaaccanac ggaagatgaa 420
 ggagatgagg atgtgggatt t 441

<210> 35212
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 35212
 agcttatgta tgaaagatgt tgtataagtt tgtattgaat tttttggcag cccctcaaca 60
 gaaaactaca tagaagatat gaaggcagaa cacttagaga aactagcaaa gctggaagag 120

tgggtgtaagc aaattcttat tattactttc tcgataagga tatgcatttt gccaatat 180
 ttaagtacat atttttttat actgaagaac aaattaaat tgtaaattac tgatttcttt 240
 atattcgtaa atgtggttca aagaccatat cagcattaag aacaaacatg ggcttttagct 300
 tcatttgaca atttacctt gaaaaatatt tatcaacca atatccaaat tagaggaatg 360
 actaacattt cacagtggca atgtactcaa aatattgaat gttattactg taatacttta 420
 gaatgaaatg agagatttat ttattgga 448

<210> 35213
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35213

ntgacattct aacttgtttt gaagggtggg ttannactaa atgttttttt tatggataaa 60
 tgcttacgag tctacttaca tgatctaatt gatttgaagg cttaataata atgagatcat 120
 gattttttat ttttctaaat attcattata gacttaattt atggtgtcat ctttaactta 180
 ccatcactta tgactatcac ccaaaaaatt ataaccaaga ttatattaca tattactttt 240
 catcaaatca tgtttgactt gaataagcct cacttggtta aaaaatctaa aatcaaagac 300
 catcaagtat ttatcatata tttcacttgt taggcttgac ttaatcattc ttagcttata 360
 tagttatgta tgtcaaacta cttgttaggg gttggactnt caaataggac aaatcattaa 420
 agtaagcttt aacttcact tgtcaagagt g 451

<210> 35214
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35214

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 tcttcttaac actctgctaa aattcatata acttctatgt ggatctcatc atccgtttga 120
 ttagtcacat actaaattgt aacacctaca tgaatttcaa cgattaagaa aaatacattt 180
 aaaaaaatag aaaatatatt aataacagtc ttcacagttc taccagtga aacacccatt 240

tgataacttgt ctttatctaa ttctttcttat tacgtattcc tctctcttgg atagcaatgt 300
atgtttttcc ccagcataaa tactcgtggt gtagaataag ggaaggagagg gaatgtaatc 360
tccaatccca aattgttgat atcccttgaa attcttggct actaccactn tgcttattat 420
agctaatacac gaacaaactt attgtag 447

<210> 35215
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35215

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gtatgtatac atgnatttga tgatggcaaa agaagaatca cacaatgctc atatggcttc 120
aagattaaga caagggatga ttcaacaaac aaagacttgc atcaagatctt cttcatgac 180
aagccttgcc acacaatgaa aggggttcaag tcattcaagg cacatgcaat ctattaccaa 240
tggtctgaaa gtgtgtcatc gattacacat catatgtaat cgattaccag agactttgaa 300
cgttgggaac tcagatgtta catgacgggt cacaactcgt ccagaaacac tattgtgtaa 360
tcgattacac tatatctgta atcgaatata agagaggatt ttcaaggcat atcgccaaca 420
gtcacatctt atca 434

<210> 35216
<211> 419
<212> DNA
<213> Glycine max

<400> 35216

cagctgtcag aagcgagtag aagatcattc tttcagaggg ttatgactta tcacagctct 60
acacatgaag aggatcgagg acacaccata cctcaaacta aagtgcctat aagctcatac 120
taatcaatgt acacatacct ccagcagaag gcacactatc tgagcttcag atgctgacta 180
ttatggacta cacttattga gtcacatata gtactgctcc agagaagagg acaactttgg 240
cccgaacttgt ggaatgtgca tatggtcatt ccagttcct ttgagaagac atagaatcat 300
tagctgagag caacatcagc ttgtaagctt ctgtcttata gtctgagcac agaatatgaa 360

cccacacata agactgtgaa tacggaactg aacataggaa accttgatgt gtgtctgta 419

<210> 35217
<211> 405
<212> DNA
<213> Glycine max

<400> 35217

tatacaaact gactcattac ctttggtatg caaacgctat tatgttaatc tagttcagaa 60
ggatcaatct catactccgg gacttcacga gcattgtgca catgcatggg agccatctac 120
caaaaaaaaa aaggacgttc acagttgaaa cagatatcat ataccgacta ttctaaaagg 180
agtttaacaa ttatgcaatg tcagatgaat tggattatac gtaaaaatca agccttgttt 240
tttactctct aacagtaatt acgatatgat tatagtcttt ctagtgaata atacataaag 300
ataataatag aagaaactgt tttgaataat agttacaaac tgcttcatat atgtagagac 360
aaccaactga tatgataatt ggtaactaaa catatatcat aaact 405

<210> 35218
<211> 211
<212> DNA
<213> Glycine max

<400> 35218

gacgattgtg agggccgtac tacttttaaag gatcaccttc caagtgc aaa gaaatggcgt 60
gattcaccct taagacagaa ctacgcaggt ctgattgtct catcccaatc gaggactacg 120
tacgagcaaa gggacacacc tttgttcagg cctatcgaga gttcaatata taaatggatt 180
aaatgattta cggacattcc agggaaacgtc g 211

<210> 35219
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35219

agcttgtcca tgtcaagagc caacaccaag ttgtatgatg ttnttacaaa aatacttcca 60
ggcccaattt ttggtaaatt cattgccaaag ttgggaatga ttaacatcta ttgcgcaact 120
tgaggggggta tcacgattaa gcagttggag ttagttacaa gaagttatth gagtagttag 180

ttggttatgg cagttagttg gttactagaa gttatttgag tagttagttg gttatgacag 240
 ttagttagtt actagaagtt atttgagtaa gctagttggt tactcaagtt agttattttc 300
 tgtctttgta taaataaacc aactctgtaa tactttgatg aatgaatcct aaaaatgggt 360
 ttcactatc tttcatctct gataaaa 387

<210> 35220
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 35220
 gattcaaaga atatgtggaa aagttgtttg taaaggctgt cacacattgt cataatatat 60
 ctcaaaatgc acgtcaaggt ctgcttttta tagactctcc aagtctggtc aagaaaacca 120
 ttagaagagc tataaccttt agaaaaacct gaaaaccatt ggaagagtta catctttaga 180
 tttttgttca gaacttgta ctggtaaacg attacaccat gcatttttgt gaaaggatgt 240
 gactcttcac aattgaatct gaatttcaac gttcaaacac attggtaatc gattaccaat 300
 atctcgtaat cgactacacc atttcgaaat caattgaacc gttgtacatt cagttgaaag 360
 ctcttgcaaa aaaatcttct cactggtaat c 391

<210> 35221
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35221
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 gcatgaaagc atttcacaaa atacagacta cagaactcat tttgaccaat ataggatgat 180
 atagttggtc ctaagcctag tagctggact tcaaataaat atgggtctcta taaaatatgg 240
 agtcggccac occaatacat tgtcacactt ggctacatgg atcangctac gccgagtcga 300
 ctacactatt tacct 315

<210> 35222

<211> 325
<212> DNA
<213> Glycine max

<400> 35222

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catcagatgt gatgatgctt agatgacata gtatctatat gagatgccat ctaaagtata 120
tctacataag agaagatcta acttgataga acaaagctag ctgccctctt caagtccaag 180
ctcgagtctg gattcaagcc ctgcgccgat tctggatata gacccaatgc tttattgagt 240
cctgaaatta gagtaatatc atcaaagtag ctgcgtggac ccgaataata ttactgccta 300
ataaatttga caattaggac taatc 325

<210> 35223
<211> 214
<212> DNA
<213> Glycine max

<400> 35223

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tcaaagctgc aacctttgct caccatttct gctccacatc gcagaaggaa gccacttttg 120
gaatcgtgaa atgcacctct acgttggtggg acttcaaatt acaagtctgg gtagacttct 180
tctcacataa aatttagtgg gtatacgggt gttt 214

<210> 35224
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35224

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tgggctgtat gactgcaaca tgattacact gaatttggtg tagtatgacc acaacaagtt 120
atggaacana actcanatat aatttcttag aagccattat atcatgctct aattaaat 180
gaagttaagc ttctataatg tgtattaaag gtattattag agaattatat gaattaaacta 240
tgtgaaactt taatcttgat tgaagaacga caatcaaat ttgcatataa attttatcct 300
ttntgataga ttgggtatgg tggtattctt taaataatga gatttacgct ttgattgcta 360

agttttgctg tgggaattctt ggagaagtgt gctacaacat cttgaatttc taggagcttc 420
acttaatcat ggact 435

<210> 35225
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35225

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ttgtaattct ttttccgtaa cgttacgaaa ctttacgaat ttcgtaacga tacttatttt 180
ccttccgtaa ggttacgaat ccttacggat tatgtattta ctctttttta cctttcgaag 240
aagttacgaa aactcacgca ttgcacaaaa acacctcttt tcaacttccg ccacaatacg 300
gaatttcatg gatcgcgcaa gcctgcttcc tttngatttc tgagacgtct cgggacttca 360
tttattgtgc aacataggac gccaaagtatc tcaaagcggc taaccaaagg tggcatgtta 420
tcaagtaata 430

<210> 35226
<211> 349
<212> DNA
<213> Glycine max

<400> 35226

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gaccactgtt cttccttcat gcgacgctac ttcacatgta cgcctgagtg ggattataga 120
ctacaccata ataccacca ttttctaggg gttatatcaa gctacgcatg ccgccaatga 180
ccttgcttaa gaccgtccta gttttataac cgttcccca catgactcat accaccatta 240
cacgcgcttc atacagacat tgtagcccaa ctagggagac cacggaggaa atgctgacca 300
cctgacacga ctgtaaagcg gctgctaacg attcttctgc ggataccac 349

<210> 35227
<211> 447
<212> DNA

<213> Glycine max

<400> 35227

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atcatcatgc tttgataaat gccaaaaaaa actagggcaa atgaagaaca ccacctttag 120
cacataccta tatcaaccac aaagtctgtc taccgcactt ccaatgacga acaccacctt 180
tagcacatac caacaacacc aaccaagata tgaattttgc agtgagaaag cctgtacaat 240
tcaccccaat tccagtgtcc tatgtgtgact tgctcctata tctacttgat aattcaatgg 300
tagccataac cctagccaag gatcattaac ctacatttct ccgagaatac gactcgaacg 360
caacgtgtgc ttgtcacgga gaagccctga ggaattccat tgagcattgt atggctctga 420
agcataaggt gcaaggtcta attgatg 447

<210> 35228

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35228

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acactgctct ttctgtcctc tattgcttag ttaggaattt tagctttgca gataaagctc 120
agaaagtttt atagttgtaa aagggttaatt tttttctgat cttattcctc ttcccctaca 180
tttaatttca ttactttttc cacttactat gttgttgca ccataaataa tttattgatt 240
atatatatat atatatatat atatatatat atatatatat atatatatat atatcaatat 300
gagtactaac aacacatata attgaatatg attagatata tatcgataaa acatatctga 360
taattttctc cacaactttc agttgtgctt atggctctat gcagataatn ggtcttctga 420
gtagacaata gttgacagtg gagccagct 449

<210> 35229

<211> 340

<212> DNA

<213> Glycine max

<400> 35229

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ttgtttcctt gatattacca tgcatactct tgcaatgtca tgtttatgtg cgtttatgct 120
gagttattat ttgatggcgt taccatgctt gctcgtctag tatattcctg ttttgcgcta 180
tcaaccgcat gctctcgcgc atatatctat attgcgccat cactcatgtg ttgcattagt 240
ctagtaattt tgtcacggga agtcgtaagg gccgaatcac ctttctaaat gcatacatgg 300
cgaactgtgg tgatgactgc taatgaacca tgacgcccga 340

<210> 35230
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35230

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cctttccttg ttttgaagct cactacaagc cttaaatgaa aaaccatgat atcaccatat 120
ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gttttgtttc 180
atacgataac ttgttttggt ggctatgctt catgatgtat tttgggccat acctgatgta 240
cattgtatat tggttaaatg ttggacatgc tgaatgaaat gttgtttctc aaaggctata 300
gagtaaaaaa aaattgaaaa agaagaagaa gagcaataaa gtttagggaa taagatctta 360
aatgacaaaa gaatgatgaa actcttgggt ctactctnta tgtttaaant atatctttac 420
ttcttttttt tttcttaata tgaac 445

<210> 35231
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35231

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tcttaacatc tatatctctt aattccatca aatagaatt caattcatca agatgatctt 120
taagagatgt accttctttc atgtgtaaac caaataaacg cctcttcaag aagagcttgt 180
tgcagattga cttagtcata tacaactttt ccaacttgag ccataagcca cttgcagttt 240
cttcatttgc aacttcatat aaaacttcat cagacaagga aagcaagatt agtgagtgtg 300

<210> 35234
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35234

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 tcggcgggaa gtgatggggg aaatcgacat tcccattcag ataggcccc acacttgcaa 120
 catggtgttt caagtaatgg atataaatcc cgcctatagc tgcctcttgg gaagaccgtg 180
 gattcatgcc ctgggagtgg tcccttcaac gcttcactag aaattgaagt tcgtgggtggg 240
 cggactttta ttgatagtgt cnggtgaaga ggacatgtta gtgaactgcc cctcctccgc 300
 accatacata gaagcggcgg aagaatcatt ggaaacggct ttccaatcct tcgaggtggt 360
 gagctacgcc tctgtggaac caagtcgctc gctaccttct ctctccaaag cggcataatg 420
 gtggcgccgt gtatgctc 438

<210> 35235
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 35235

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 atgcttttcc ttatggtaca gatgagatca aaagcgactc cacaacaag agcttcaagg 120
 tcaacgaaca tcgacttaag tcattcttca cgaacccttc tttagtggac gtagtgggtg 180
 aagagacatc cttactgcac cctactcttc ctccaccatg acttaaggag tttttctttt 240
 cctatctcct tctttgcttt tattacactt ggccgattct ctttgatgat ttaattgttt 300
 ttaatctggt aattgtgcta cattgacgac aatgtgttgt ttaagtatgg ggggggagtg 360
 ttcttttg 367

<210> 35236
 <211> 444
 <212> DNA
 <213> Glycine max

ggagcaaaac gcctccgctt ctattgtata gaccngtgcg ccagacccgc gaggcacgta 180
aagaaacatg caacattccg cacacacgag gaaacactgg aacattaagt aagacaacga 240
gatgctagac ttacgagcta ctgtaagtgc tagacgtccg cctaccaata ataacacaca 300
cgcaaggcct aagcactcta ctgaagtgga aaacaaccta gcacacatga aggacgaaca 360
aacaagcacg gtacatagag gatgtaatat acaaaatatg agagatgaca tccaagacga 420
gaaaataccc tgaagatgga ggaaggacac ttgccggatc aaacaccaga ccctacgctc 480
accctctga ccacagaacg agcgcgagat acggaatgaa gacaacaatc tatggactca 540
ggccg 545

<210> 35239
<211> 130
<212> DNA
<213> Glycine max

<400> 35239
ataacatatt catgatttgt tggcatgctc accactgttc gtttctttac gaaactcccc 60
ataacaaaaa aagcgcaaac gcaccctat aacacccgat ccaaaagtaa gatgggtaag 120
gaagagggag 130

<210> 35240
<211> 416
<212> DNA
<213> Glycine max

<400> 35240
tggcttacat gagtctacac gtacgagga tcgaggttta tttctttagt cttcagcata 60
gaacacacga acattcttaa ttatagaaat atctttatat gcatcagctc gtttattaga 120
aagaccaaac gcttttaaac cactgtcgtc acttttaatt ggttgagggtt attgtttttc 180
taattaggat atatcatact tttacttcaa ttcacaatta ttattttctg tcaacaaaat 240
gcctgattat tgaacaaacg cttgccaaat aaacaagttc cctgtgttcg atactcagat 300
cattccgttt taattttaaa taccggagc gcttgctagt atatcacttc ccctttgata 360
tgatgctgaa tgaaacttgt tcacatttaa ggtttttaca agggtcataa agaaac 416

<210> 35241

<211> 400
<212> DNA
<213> Glycine max

<400> 35241

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atgcttgaca ttattaaggc tgtatacttg ttcaaaggac acaagaattt tagtctacaa 120
catgtaacag attaacagtt gccaaaggata aattacctgt actatcaaga caatagctct 180
ctgatgatgc acacggcagt caaatgatac gctccgcacc ttgctagcaa gtgatgcagc 240
tccacctgag ttactattta ccattagaac gttgaaagta gaacagatca catagaacca 300
cgatggaaga aaaatagtat aagtactttt tctcgtacag acgaacatac tcaattatgc 360
taacgaaatt ctgaccatct gcatacacag ctctgtattc 400

<210> 35242
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35242

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accanattcc tgatagaggc ccatttaatg cctctacca accctctaatt gttgtaggaa 120
aggatattca tctatgaata ttcctattcc ccagctccat agcttttttc ctgtcccgag 180
actccatatt agcaaagctg tgaatacctt catcttggtc tatatcagcc tgtatgccta 240
taatttttgc aagggtgcat tgctgtttgg cttcttccat gacttgngaa ttgctttctt 300
ctatactttt taattcgtca tatgcttcag agactctgtg ttttgggcct ctgtcttgga 360
actcacttac atgttgctga tcaatacctt catttaacat gnttggtctt tctgctacag 420
gctcgangta cttcctcttt ggtttgata 449

<210> 35243
<211> 373
<212> DNA
<213> Glycine max

<400> 35243

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tggtaacctgg agatatgtcg cggcggtcat gagaccttgt ggacgtcagg aggggtgcca 120
 ttgccccaaaa ccaagcttga ccaattccaa cccaactcgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctgct ggcagtcaac agataatagg aacaaagacc 240
 acagagcaag gaggcttgtg gtggctggcc aactatgaac tcgatcgata tgtgggatat 300
 ggcctctggt aatcgattac caagggttgg taatcgatta caaggcttat gaatgaagac 360
 atgaggctaa cat 373

<210> 35244
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35244

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 gagacatctt gcgaaacaaa gtcagggttag ccatgactcg cctgtgcttt ttcttgcatt 120
 ccatatgtag caaagtcgtt gatccctgca agtatgatga gcagtgaaat gaggctgcaa 180
 ttatactgtg ccagttggag atgtattttc cccctgcttt ctttgacata atgattcact 240
 tgattgtgca gtggatgtac ccggttgagc gatacatgaa gatcttaaca ggggtatacag 300
 agaatcaata tcggctagaa gcattctattg ttgagaggta catctgtata agaagccatt 360
 gacttctgtt agaatacatt gagaacgcta tacctgatga cctctctgag tctcgacatt 420
 atga 424

<210> 35245
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35245

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 tgtgatcgac tacctcatan tttgggaatt taagaaagta atttttgacc atttttaacc 120
 tctaaaaagt tatcaaaaac attataatga ttttttcaag caaactgcca caaagattat 180
 tttgaaataa ctaatatata ttgtcacatt attatttaat agagaaatat aatgataggg 240

atcaaaatca aattaaaaaa taaattaaag ataaaaaaca atcccataaa aatttaaaaa 300
 taaaaacata atttatccat aaaataatat atattttccg tcttgattgc atgtatcttt 360
 taagttaaaa taatcatata ccaatcgata agtgggtggt ggtccataa atattactat 420
 atgcaatagc taatata 437

<210> 35246
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35246

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 tctaattttc aggtacaaca actaataatg gtgaacaatc tttcacagt gttctatagt 120
 caaattatctt ggcagtgga ggaggaatat atatttggtg ttagttttgg gagctactag 180
 gtgctgatga caactactac aatgttcaaa gatggatgag tgtttggtgt gaggcaatgg 240
 caaagctttt ggtagggatg tgcaaaattt agttgtttta tttattttaa aattaaactg 300
 aacagaactg aattgtttta aatagttggt ttcttaattc anataagcaa attggtttag 360
 agaataagtc ccanattgat tntgaagaac caattctaaa ttgattttga ttanactagt 420
 ttcgaattga ttt 433

<210> 35247
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35247

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 cacgcaagct tcgcgatctt gaacagggtc tatccaattc aataatcatc tgctcatcga 120
 aaaccagatc aggtgcctga ttagatctgg aatatgtgta attgctagcg tgcagctgg 180
 cgtaattaat tgtgtgcaat ggtgagcgat tacatgcttg ggtgattgag taaccgacag 240
 tgactcgcct ctaagtacat gattcaacat agattccctg gtcgcacca ttgattatgc 300
 aatagaaatt ctgttgacta ctagatatac actatgtaag aagacagaga ctgtctggag 360

gatgcatctg gaatatatgg gatacgattc gccatgaaca aactgcgtaa agaacaaatt 420
gcctatgtca tcttacacca tactggagac cattggctta caacaaatag acctataatc 480
ttaggcatta tgtcagtgtc tttctccn 508

<210>	35248
<211>	438
<212>	DNA
<213>	Glycine max

<400> 35248

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tgagcatatc	cacatgattg	attactgtct	gatgccctat	gcggtgtgtct	ccataagaat	120
cggattttgc	acctattata	ttatactgct	gcactctgac	cttcaatagc	gccggtcatt	180
gaattcccca	tattagccct	cttttgtaca	tgccattggg	gcttttcgca	ctctcaacag	240
gacttttttc	gtatgttcat	tttttagcgaa	ggagatacct	aaccctaacg	atatcccctt	300
tctgcccact	ccttgctgaa	tattctctac	attcgtgcct	tctcgaaacat	tcgactccag	360
ctgtctgtct	catgattccg	taaatcatta	gategtgact	caaagcattg	gatgacctct	420
cattatctat	ataccatg					438

<210>	35249
<211>	441
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      35249
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acatcagaat	cctctatagg	ggccctctct	gtcgccgctt	gaattagcgc	cagtggcatg	180
tcgatgcatg	gcttccccgc	cttgcacttt	tgctcaatg	cagtgggaaa	cgatggcgtc	240
atcattgact	cgggcacctg	cgtgaccoga	cccacctaca	ttgccctaca	agacgccttt	300
tgtgttaocg	cctcgcatth	gaagcgtgtg	tcggagttct	cactcttcaa	catgtgaaga	360
cctatccagg	ctcacgaagg	tgaaggtgcc	tacgccgatg	catttggtct	gtggcctgac	420

gagagcagct cttcatctaa t

441

<210> 35250
<211> 296
<212> DNA
<213> Glycine max

<400> 35250

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agcattatgc tctggctatt gctacttacc tgtatggctg acgaacaaca ccacctttag 120
cacatacctg agaaaaccac acatgatgcc taccgtgctt acaatgacga gcaccacctt 180
tagctctaac caatatctcc taccaccaa tcatTTTTgc atggagtatg cctgttcaat 240
acagcccatt tccagtgacc tatgctgact tgctcctata tctacttgaa tattca 296

<210> 35251
<211> 430
<212> DNA
<213> Glycine max

<400> 35251

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aaatcttcat gatttacatt ctccccctt ttgatgatga caaccacctg taggttagga 120
gcaacaacaa agaaaaaata tctatttgca tatagtttac tcccccttg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca tatttttcat atgtaaaca attgtctcat 240
aaacaataga taatttttct tactatttta tctccccctt tgtcaacatc aaaaacaaat 300
catgaataga gaggataaag atgttaccac ttgttgcaat gtatgagaat caagtgatac 360
caaaaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac aataacacat 420
caatcaaaca 430

<210> 35252
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35252

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cctttatttc ctanaatatg ctcacactct ctaaaagctt gttaagctnt tttgcttact 120
 tttacttatg tcatttcctt gtacaaatgc tcaacgtgta gcatgctttt gatcaaaggt 180
 tgtacttaca ctcaaaaaaa cctttctttt cgttaaatta ttgaaattca aatcttagag 240
 catattcaaa aacaatataa gaagagttaa ccttaacatt caagctacat aggaaatggg 300
 tctcacccat tgaatcatcc aaaaataaaa cctataattg tgaaattcac aaatgctgcc 360
 ttatctatta nggacaacga aatgggtccg acccattgaa tcaccagtt taac 414

<210> 35253
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35253

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 taatcgatta cacagtgc aaatttttaa tagttgttgt aaattagttt 120
 tggccactgg taatcgatta catcctctgg taattgatta ccagagagta aatctcttga 180
 aaaagacttt ttagcttaaa tttcttggcc aaaccttttg ctacttcaat tggaattctc 240
 ttctactta atataccctt tctaagattc tagagactgt cttgattatc catcttgaat 300
 atctttgatt tctttgtctt gaataaagct ttgtgaaaca tgtaatcctt tggcatcatc 360
 aaaacatcag gttgatcctt tgtctacaaa tcttgaactt attctcttgg gctttttgtc 420
 atcatctttg 430

<210> 35254
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35254

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 aatgcaccaa gtttattggt attgctgatg tgcatagatg ttgacagggc tgatatttgg 180
 tcttttggga ttacggcact tgagttgggt catggccatg caccattttc aaaatatacct 240

ccaatgaagg tatttacatc ccgtggttgt tcagagacaa tgtctagaca catgttaaca 300
 ttggaccgat tgaagttcat gtgatataat ttgtaataaa agaaaaagag agttcacttt 360
 ttatttcacg tataggttct tctaatagaca atgcagaatg cccctcctgg acttgatgat 420
 cgagataaaa agttctct 438

<210> 35255
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35255

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 ggccattgcc tccctcatcc agtattatga tcagccattg aggtgcttca cctttgggga 120
 cttccaacta tcacccatgg tagaagaatt tgaagagatc ctaggatgtc ctctaggggg 180
 aaggagacca tacctcttct cagggttcta tccctcatta gctagaattt ttaagagtcc 240
 aaatcttggc gcaggaatta gaccacagaa agcaagtaaa aaatgggggtg gttggaatat 300
 cgagaaaagta tttggaggca aaagtaagaa tcttggcagg taaaggcgaa tgggccccgt 360
 tcatagacat tctcgactg ttgatcttca gaggagtctt ctttcggaat gtggatcggg 420
 tgggtggactt agcagcgatc gac 443

<210> 35256
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35256

gaacaaaatc gccttaaadc atttcaaata tgcattgtta ttatttcgca tcaacaagaa 60
 tcaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccatat gattataatg 120
 acggatggct caaattctca caaaggtaaa atcatcactt tcacattgag ctttcanaac 180
 tatcatgaca ttagagagaag aatcaatgat ttcaagtcac aaaatgtcaa gaacttttat 240
 tttcaaaaca attaccatt tcttgaacat atcctataat tcaaagaata acatgcaaag 300
 tcgtacgcgc acacaaaatt gacccaaaat attactctga taatccgacg aaactaacia 360

cattaacaaa ttaaca

376

<210> 35257
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35257

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aactcttctt gtatctactt tataatttaa agattgtgct aatcagtatc ttttaagacac 120
tgattaagaa attcagaatg aaagggttta attaaaaatt gacattaatg catatatact 180
atgatttcca acacactttc aacgtgaatt ttttttaaaa atattttaaa ttccttaatt 240
agtgtgctta agattagaat tgaagggtt ttaaataaaa aaataaacac ccacttagtg 300
tcaatcatat taatccttat atatcgataa aaaaaaatat attagctcct atataataaa 360
acacttacat gatatatatt cttggaaatg tatttcttta gccatatcag tcttcatttt 420
aagaatcttg ataattacgt tgagtgt 446

<210> 35258
<211> 366
<212> DNA
<213> Glycine max

<400> 35258

acgaacccgg aatgggtgta gggaaagaca acggcggcat gactaacctg ataatgcc 60
aaggaaatcg tgggaagtat ggtctatgct ataaaccac tcacgcggat ataaggagaa 120
gcatcagggg aagaaatagc ggtgagcata gctctgtgga tgaggcaaga aagtgaatga 180
agcccgccct gccacatatg tagatgcttt atatgcgcgg gtctggaata cgaaggctgt 240
gtggacgata catactaaga tgatgttccg agtacattgt atatgagacg accatgccct 300
cctgattcca gctgagaaac agacgagtgg aggaacgcct cggcatttac gcaacgagca 360
taatgt 366

<210> 35259
<211> 362
<212> DNA

actttgcggt gctgaatttc ttcacatata tattcgcaaa gcatcggctc tttgttgcac 120
 ttgacaaact tctctacgcc tgacattgca tatgcagttg gtaaattacg aaggtgaact 180
 aataactctg atcattctca ttggattgca ttacaaagag tatttagata cttaaaagga 240
 accatcaatt atggcattca ttatacatgt gatcctgca 279

<210> 35267
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35267

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 aaatttgatc eggccatact cttccttgag agccctcttg gtctctcgta caagggctct 180
 tgcggtaatt gcattctctt cccgtaacct ggcacactcc ttcggaacgt gtgtaacagc 240
 caactcgaac ttctccttg cgagttctgc ctttcttaac tcgcttttga gagcttgag 300
 ttgctcgtcc tcttacgggg ctgccaaatt cccttcgctg acgactctta tcttggcgag 360
 ccaatctaaa cctcgtatgc taacttgta ccattcatgg taccacacna tgatgccatt 420
 acgaatgcct ctatactct 439

<210> 35268
 <211> 194
 <212> DNA
 <213> Glycine max
 <400> 35268

ggtgctattg cgcacacca atctcgacca aactccacct aaccgggca tagtccgaca 60
 gtgagaacct gtgatgtacc tatacaggcc atctcctggc agtcaactta tgaaaggaac 120
 tgagaccaca aagcaaggaa gcttgtggtg gctggccagc tctgaaactt gattgatatg 180
 tgagatatgg gctc 194

<210> 35269
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35269

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ttatatagta tatatgaaat tggcctttgt ttccttttca tatattgtaa aagatacacc 120
atatttaact gtgtagctc ttcattctct ttggccaatt aatgtcttaa atcaatgtgt 180
gacaaacaat atatagctaa ctataattaa cggttacaaa ctatattgga agtaactttt 240
ttgtatcagc aaaatagata tattgatgca tgggtggtaca aggggtaccac aattccatga 300
ttaaatagca actaaccaaa accagaatta caatatgcag taagagtcac taagtgccac 360
tgatatgatc cgacaaaaag ttccaattat tttcaatatg taatggataa 410

<210> 35270
<211> 432
<212> DNA
<213> Glycine max

<400> 35270
agcttagaaa gacattatct cattcataac attatgtaaa ctagagagcc atccacaata 60
tgccaataaa acatatatga ataattaaag gacatagaac acaataccga atgtaagtac 120
ataccactag ccatatatca ttgaaggaat taagggtgtaag acacataatc ataaacagcc 180
aagagcaggt ctatataatc ataattgttc ggcatactaa gcaagtgtta aaagaaatac 240
taagtgttca aatgtcataa aaacatatgc aaatacaagg cttacgaaca aatataatta 300
taatctaaat atattatccg agaatcaaaa cttaattcta agtaacaaaa attagatatg 360
aacacataca tggtaactta ttacttatct cgattaatga accactagaa tgtaagtatc 420
gaataacaat ca 432

<210> 35271
<211> 431
<212> DNA
<213> Glycine max

<400> 35271
agcttataaa gataaatgat gacatgattt tttcccaatc acactatgtt gaaaagctgt 60
tgaagaagtt taattatctt gatgtgaaac ctgtttctac tccttatgac tcatccatca 120

agctaaagaa aaatttgggt aaaggaattt cttcacataa atattctcaa attatcggtt 180
ctttgttgca tttgacaaac ttctctaggc ctgacattgc atatgcagtt ggtagattag 240
gaagggtgtac taataatcct gatcattctc attggattgc attagaaaga gtttttagat 300
acttaaaagg aaccatcaat tatggcattc attatacatg ttttcctgca gtaattgagg 360
ggtttagtga tgcaaattgg atttctgatt ctgatgaaac aaaatcaaca agtgggttatg 420
tttttacttt a 431

<210> 35272
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35272

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agtatagttc tttgttggtg aaatgatccg gaagcaaaac ctcaaactctg attgggtcagt 120
atctacttta attgttgatg taagcaagtt cacagtgtga tgagcaacaa atttctcatc 180
atgtactcca ccatgatgat gagaagacag atcgacttaa aagtccagag ctcagagcta 240
ttcctctggc cagaatgttg actactagac ccctacacat gataaataac cacaaaaaat 300
gtttttttat ataaatgttt gccaatat caccctcaat gtatcacttg ataaatgttt 360
tttataaatg gcatgcactt ccggaaacca aaaaatgagt gtgtaaagac aaagctgatt 420
ccaaacctgg ataatat 437

<210> 35273
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35273

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ttcacccaac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctgngggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180
atatcageta gatcttgacg ggtattcaag ccatacctcg tcttgccttg aatgttaagg 240

agcatcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacgaaaga tcaaagaaaa tggacctctt cttccatatg 360
 caactctgac tnttatcctt cttttgggtc ttcccaaata cagtattcag gtgttgaacc 420
 cattgatata cctgctcacc agtcaac 447

<210> 35274
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35274

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 ctctttacat aaattttttt attgcatatt caccataaa cacagccaca tatgatgctt 120
 gcttcataag ttcatcattt tcattgggtat tcgattcaaa attttcaacc aagtcattca 180
 tttttgacct gtatagaaac aatattacaa aatacaacat atatcaagat acacatgata 240
 aaacataagt tcattaccaa ccataaatg gctcgggtaca agccaaataa gaaacataac 300
 caaatttgat aacaaaacat aatatgagtt caatagaaca tgactcatac caccataagc 360
 aaacatctaa gcactagtag ataatagtaa gccaatgca 399

<210> 35275
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35275

agctgttcaa atgggtaaaa ggctcacatt ctctttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aataaagtca tctagacaca aagaagggtca tctaagtctc atacaattaa 120
 tatagaacct atatcctaatt gccacatcct atcagagcgt ggtgtccccg tgtcctctag 180
 catgagggtc ttcatagtca tccacctatt catctgctcc cccgaacaca aagttcaaga 240
 tcatcacagg attcaaacac aaacaacaaa ccgagagtga gttatcacat ttctaactac 300
 tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt 360
 atttcatcac tctgtcattc atcaatcaca cttgtcatcc atcaatcaca cttttcaatc 420
 atcaatcaca atacacagga atcacacac 449

<210> 35276
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35276

ntgggttaagt catatgtcta ataattgaag acttttagcgt tctctttgaa tttaaataa 60
 actatgataa aagtgactag caagggtgaag atgacacatg cggtatagtt ntatttaaag 120
 catatttcta gacaacattg aacttcaact aactaaggggt tgaagttcta gtggcttcat 180
 tctacaacgt ttacttagc ttttctagcg aacacacctt tataggtagc tctttccaag 240
 acaattgcaa gctaacggta attgaaatta agacaatatt ctaacaaaaa taattcttaa 300
 aagntaaaca ctattctcgn tcaaaaataa cttttaaaaa tactattatc tagtaataga 360
 ttgtaaacac attgttattt aagacgagga ttcaatgtta tgatataaga gagatagagt 420
 ttcttatata tacttttgac tttt 444

<210> 35277
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35277

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 ctcactctcg actttgcttt tatcaaatcg agttcagttt ctcccaagtt actattgagg 120
 gaggcgcgatg ctaccgattg tactttgggc tttgctaccc ttttcccttt agcaatcttg 180
 aggcttataa tataacattc cattccactc atttgatcaa ctctgatagt gataattttc 240
 ccactctcac ttgggaactt catcgctaga tgcggagttg aaatgatggc ccctaactcg 300
 ttatgtgaag gacatcttat caatatattg gaaaaagtca aggcgtcgac taaaaagtac 360
 ttgatcatga tggcctctga cccctcttca tctttgaaag tagttagcaa gtgcacatat 420
 cctattgtgc tcattgtctc tact 444

<210> 35278
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35278

tatgacctgt acgatacaca agttccctaa gctctgagtt cttatgagtg aaagagggttt 60
atgtatgttt gaccaaatta tcacacaaaa ttagatgact cgtgatgtta gtatctgtcg 120
taagttgtat tgtttagaga cattgtatctt tctaatagata tggagatatt ttaaatagtt 180
ttgacacgtg ccacaatgta catgattgtc ttgtctttga catatgtcgc aaccctagat 240
aacattgcat acatcgaggg tggctcttta ctacagaaat gtcttttggg ggtgctgcct 300
tgattggtgc cccctatgga tgatgactat tgaagcagct cttggagaat gaaagacacc 360
attaatgatg aatttcttct acatacgtac ttagatgtga agagttgtat tgatgagatg 420
ttactgttgg ctaggggaaa tgaa 444

<210> 35279

<211> 397

<212> DNA

<213> Glycine max

<400> 35279

agcttaacaa gtggaatcag aggaaagtct ctatggcagg ctttaattact ttaattaatt 60
ctgttctgac agccttgect ttattttatc tgtctttctt caaagctcct tcagcagcgt 120
tagtgaggct gacttcaatc caaaggaatt ttttgtgggg aggaggtgct gaagggaaaa 180
agatcgcttg gatggcttgc gatcatatat gtactcctag aaatcaagga ggtttgggta 240
tcaaagctat caaggatctt aatagagccc ttcttattaa atggaagtgg ctgatgtttc 300
accaatcaga ccaattgtgg tgcagaatcc tcatctcaca atacacacga tggagagggc 360
tggaagagaa ttcccacagg cagtctcatt ccttctg 397

<210> 35280

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35280

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aacaataaac tatacacagg aaaaaaagga gggntcctgt agacctcgct anaacgncac 120

actatataat acacacgctt cagcagcacg attcagcacc tacgagcaga tgctttcacg 180
gtctttacta cgagcacacg cgcatagaga cgtgaccta ccttcgaccc aaatgaacca 240
caactacact acctcacaaa gcctccgacc tgacgaacga actaactcac taacacggac 300
catggatcaa agcagaacat gccacgcacc gcgtcctcag tacaataaaa caaggagacc 360
acaaccatcg gacgacaaca caaaaccaac aatcggacaa tcaaaaacac cgggctaaga 420
ccctgacaac gcggaacgac aagcgccaca ataagccttg caataaaaaa gacatacagc 480
gccgcacacg gaagaccaat acatgcagca atgaaaaggc gaaaagaacc gaacgatgac 540
gccactccca accttaccba tctctataac ggcgcacgtg cgactcacac c 591

<210> 35281
<211> 348
<212> DNA
<213> Glycine max
<400> 35281

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gtagatgata aagcacgaca cgaagggtcc attgtaaaag gataccttat gcaaaaaatc 120
ttgacatatt gtttaacata tctagatgaa aatgaaacta catggaatcg acctgctcat 180
gtagatgatg aaccaattaa tggctctaaa catggctaac aagtagttga cttatttcct 240
ctagttggaa aaccaattga cgactcttca tattacaccc tcacacccaa agaaaagtta 300
caagctcata gacatgtggt aacaaatcgt cctttactcg attcctat 348

<210> 35282
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35282

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gaaagagcta ttctttctcaa gaactttcaa gagttggaaa atagacttaa agatcttcaa 120
aaggatcagt aggagctgaa tgaacttcat gactatcaaa aagaagaaag atatgatcta 180
tggtgagaat gcacacaagc acacaaagat tatgaaaacc tcaaaataag taaaataatc 240
tttaggtgga atgtgaagaa cacaagagat ctgtgaaatt cttgaatgat aaacttttga 300

agaatcaaca atttgaaggt caacctcaag atgttgtcaa acttcatgag gaaattagaa 360
 ccttanaaac tacattagcc aaacttttta atggaaccga taatcttaac aaactgttag 420
 gaaactgtag aagttcctca gaccaatttg gaaat 455

<210> 35283
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 35283

gcgccatga cagtggcaag ccctgaacga atgattcttg cctatgttgt ggcgggctag 60
 tcgcacagaa ctacctgtg tcaactatac tcagagatgc aatctgacac cttatgacac 120
 atatcaggta tatattgtca tgactttcaa gacatactta ctgtggcctc gagagattca 180
 ggactgacca ttgcccatag tatgaacaca tctgcctac tgcattacgt ccatacgaag 240
 gctccagtca cgagttctct gctaccattg caccacgaca cagtg 285

<210> 35284
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35284

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 tctcttctcc cttagccaaa aagaattcgc caaggactaa ccacctgaat tctttctgcg 120
 tctctcttct cgcttttcca aaagatcaaa gaactaacca cctaaattct tttgcgtctg 180
 ctttctccct tatcaatgaa ttcaaaacga cacagactga gaattctttt gattcttccc 240
 tttccctaata acaaaagtgt acaaagaact aaccgcctga gaattctttt gtatgcacat 300
 ttacaaagta tgagagggtt aaccggctga gatctttgtc ttaacacatt ggagggtaca 360
 tcctttgtgg tacaagtaga gggtagatct actagcgttt gactgacaac atgagagggt 420
 acatctcttg tggatca 437

<210> 35285
 <211> 445
 <212> DNA

tttatcagca tgtttttttt agattttaat ctgacacatt ctattagtga tgggcaacac 240
 aaatccatac atagtcatgt gacacgtaat gccaaatctg gacaagataa ataattttca 300
 caagttaata ttaacgataa tatttatctt atncatggtc aagcaaatat tagagctgaa 360
 ttgctaatag taagacaaat gaagtctgta tcatacatag gcttcaatgg ataaattcct 420

<210> 35288
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 35288

atggcgctact catcacatgt ggcaactatgt ggcagacggg cgatggcgca caacatgatt 60
 gttcacatac acgaacagcg cataatccca acattccctg ttgccacact ctcaactgag 120
 ctgatgtact actacggaga ccatatccta cgatctctca acaccgggac cctatcaatc 180
 atttcaagct tctcatcat gcaaatgcaa catcattcaa acagaacata cta 233

<210> 35289
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35289

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 gcagtgatat tattgaccaa ccctatgaaa ccttctaccg agatgtcttg ggccacgttg 120
 gcctcggttca aaacttttat taccagagcc cgatgaggct cggagctcat gagtaactcc 180
 aacagcgaga ccctggccga ggttttggtg agctgctcga taaccttgaa ttggctctgc 240
 tgaattatac ggaggaattc gctggcttcc tctagcgaca cctcctttat accatccttt 300
 ttctccggaa gacatttcgc cggaatatct ttattcgaag cgaggggtat ttcacatct 360
 tgttcctcca ccattttgct atccacttga cgttcgcggg ttggactggt aggtccggag 420
 gtgcaaacac acgagcgcta 440

<210> 35290
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35290

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atgaaacctt gcggacttcc agtggtgtgc tattgccaaa aaccatcttg acaattcgac 120
caccgaggca ttatggactt gacaacctgt gatgtacctg agcatgctat ctactggcag 180
tcaacagatt aatagaactt agaccacacg gcatggatgc ttgagtgggc tggccatctg 240
tgaacttaga tagacatgtg gggttatggc tgtggtaatc tattaccatc gcgggctgat 300
cgacaacaag gctcagacag gagtaccgga cgctaataat ggctctggta attgatacca 360
accggtgtaa accactgctc ggctgaaca ctagtcacct atctaggga cgctctgct 419

<210> 35291

<211> 584

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35291

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aanctacac gacaaaaacc gaaagaaatt gttgactgca atcnctcgc gnnngcgcgat 120
anaatacaca agcttcgccc gtgtcgcgct cagcaccacg ggcaaaccgt acttctttta 180
ttattcacc aaagagtgcg ctccggatgc gcgttacaca agatacatga tcaggactgc 240
tgctctgacg agtcataac caaccacata tcaacgcacc gttgccatag ccaaacacgg 300
gtcaccacta ggcccgttgc ggagcaacgc tattgaaact acacctgcga ctcacatgcc 360
atcaacacta cactctctaa ttcttacgag gactcgtgc acgaaatatt atgcgataac 420
aggactatac acattgctca gaaggcctag cccctctcat gcttaaagga ataaactgaa 480
gaatatacgc ttacgaaccg cgtagagact atcattcaac tgaggatttt cctcagccca 540
ccacaatgat caggtctgga ctatcctaca tataaccgc tccc 584

<210> 35292

<211> 432

<212> DNA

<213> Glycine max

<400> 35292

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 atcaaaatct tcatgattta cattctcccc ttttttgatg acgacaacca cctgtagggt 120
 aggagcaaca acaaagaaaa aaatatctat tcgcatatag tttactcccc cttgggttttg 180
 caatgattgc ttatatgaga cagttgaaga ttccatattc ttcttgtgta aacaaattgt 240
 ctcataaaca atagataatt tttcttactt gatgaactac catctattga aactctatct 300
 actgtggatg ggatataagg ccctatttct tatgtaaaca aattgtctca taaacaatag 360
 ataatcattc ttactatctt atcttttate tttctctgcc gctttgtcaa catcaaacac 420
 acatcatgaa ta 432

<210> 35293
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35293

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 catgacggat ctttgcttag taccgcacgt tgctatccnc ccgaagttca tagggccgaa 120
 cttcgacaag tatacacgga cgacttgctc cataaaccat ctcaagatgt actgtcgcaa 180
 gatgggcgca cactctaagg atgagaagct attaatcac ttctctcaag atagcttggc 240
 cggagccgag gtagtgtggt aactaattt ggaagcttcc cgtattcgta cttggaagga 300
 tctgattact gccttgctaa ggcaatatca gtacaattcc gatatggctc ccgaccgcac 360
 tcaactgcag aatatgttca agaaagaggg cgaaacctt acagaatat 409

<210> 35294
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 35294

agcttaactc ctgctatgat caactaccta ttatctcata tcaaagttaa cgtttatctt 60
 tgattgatca actaatgcaa aaatcaaaat tatttatctt aaaaaataa aacaattaaa 120
 atgtcttgat ttagaaatag ggaaaccaa atcgatgata taaaattata ggggacctaa 180
 aatataattt aactttcttt ttccatgaaa atcactttta ttttaaatta ttaatttaaa 240

tgtgaccgag tccatTTTTT tttattaaaa acatgtttgt tcgaatattt gaaaggaaaa 300
 aaactttaaa agaagtcaca tgccttatta ttttaagaga ttactttgtg tagcctttat 360
 gattattttg agaaataaaa gttgaaatta atattaattt ctaagtaatt ctcgttataa 420
 tt 422

<210> 35295
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35295

cgcttgagct ggtatctgng ttaaaaaana attcgcatTT ttctttgttg gagcaattgg 60
 gaagaatgag cagtggcaga tggaggcagc tagatacctg aactgtggag ttctgtcctt 120
 tcctttttgca tacttgggta tccccattgg ggataatcca agatgtagtg atctttggga 180
 tcctatagtc agaaaattcg agagaaaatt agcttcttgg aaacaccaac atatttcatt 240
 tgggggggaga gtgacactca taaatgcagc cctagcagca atccctatct actttttttc 300
 ctttatttagg gtaccttcaa gagtaatctc cagattggaa gcaattcaga ggcaatctct 360
 atggngagga ggtatggatc agagaaagat tgcttggggt aattggaaaa cagtctacaa 420
 tccaaaggat atatgaggac ttggc 445

<210> 35296
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35296

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 gcacggggttg ttgccgaacc aatataaaac tcttgtgttt gttttcttct tccatacact 120
 ctttaatttc cgctgtgcat ttttaattatc gctattactt ttggttaagt tttgtttttc 180
 tattctttat tttctcaact ttgtagtaaa agcctaattg aatttagtaa cattaagaag 240
 gatagatttt taattagtaa aggtctatta ataattaatt caacctcccc cccccctcc 300
 ttcttaatta ttctgaggcc acttgttgca acaagtggta tcagagcagg tatctttag 360

aaagttaa cacttcaaga ttcattgcct cttcaaattc tttgtttcct gaaggaaatt 420
ccatccatag gccacctatc ttcaatgg 448

<210> 35297
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35297

atggaagtac taagtattta ttacctatac ttaacagaaa atacttataa cacaacaaaa 60
taaccataaa ttggaagagt ttgatacaat ttacacaagt tttatacaca aaagttagtc 120
gtgttcaccg actaacacca tgcagcgcaa aggggaagcat ctggtgcaa tccttgtatg 180
acacgggtcat cttctgaact atatcttctt gatattntta ttagcggcct caactgcctc 240
attcatctta agccagtaag gcatggaatt atggtgtag atnttgaaat cctcacacat 300
ctccttcac atcttgttgt tcagattggt ggcattgaag gtgataattt tccttagcaa 360
cccatatcgg caaattatct cccttntgat gaaactaatc ac 402

<210> 35298
<211> 438
<212> DNA
<213> Glycine max

<400> 35298

agctgctaaa agtataggaa gcaacattag tattgcacta ttccattccc ataaaaatag 60
gcgttggttca cactgtctaa gcataacaat agcctgcca ttacttctag caccctata 120
ttaaattcc tatgctatcc ttctttattt ttgaatagtc attcgcaca tgagtacgta 180
ttttgaagta tctatttttg aatatgactt caatattctg caataagtct tcgaattacc 240
tatacacttt cggaatacct attatagaat atgactttca tgtttcaaaa taattattct 300
aaaaataggt ttccaaaata tatacacact tcccaacata gttattctag acatatgaaa 360
atcatatttc catactacgg tggaaaattc gaagaacgat ctcaagtga agcggctatg 420
gattcatacc aataacat 438

<210> 35299

<211> 302
 <212> DNA
 <213> Glycine max

<400> 35299

tatgttaatc aattagactt tatccgtatc cttgtggatg tataccttga atactgccat 60
 gtagttgttg aacatggttt ctagtaatgt aattccaaag acacctcttg agctgtagac 120
 aaataggata cctactataa tgcacctgca tgtatggggg tgccaggcag atataacgat 180
 ttataatccg caagaaagaa aattggatgc aagaacaatc agtggatatt tcattgggta 240
 tccagaaaag ttaaaagggt gtatgttcta ttgtactact catagatgag aactgacaaa 300
 ct 302

<210> 35300
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35300

agctctcaac cgttcttcga cgttcttcat tctttcttca tcgttcttct atcttcaacg 60
 ggtaagtacc tcgaaccaag cttttcgatt cattctatgt acccgtagtg gtccacattg 120
 tgtttcgtgc atttttattc tcgttttggt tactttttat accccctggt gacgtgctta 180
 agccatttta cttaagtcatt ttctcgctta acttaaaaat aaaataaatt tccaccgaac 240
 gtttgaattg tattatccat taacttcggt taaaataaat tccgaccgtt cggtcgtgcc 300
 gtaaccacgt tggaaatcaa aaagaggtaa aaaataatat aataatcaaa aagacatctt 360
 ttagtaaaat aaagcggaaa atcaatcgga cgttttctct ttgggatttc tcattcttaa 420
 tcgaatcgat taataactaa agt 443

<210> 35301
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35301

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 ttgcattggg gaaaacggat aacaaaggat tacttctttg tgtattaccc atgtaaaaaa 120

gtcaactttt tgatgataca ttcacccaaa atttcattga caatttcctc caactacgtc 180
agcaacaaac ataggaaatt ttttgttgac aaatccgtcc acagatgcc a cgcagaacat 240
tccatttgct ttgacagaga tatttaatgt ttggactaaa ttgtcgcact ttccttaa at 300
ccaaggacaa tttttttttt tatcttttca gtactaaagt gttaactcat tacaaattca 360
gggattgaag tgactaattt atacttaatt ntgtaggtcg tataacttttt acttataatg 420
gttcaa atcc tctaatactc aatgtttaac aa 452

<210> 35302
<211> 434
<212> DNA
<213> Glycine max

<400> 35302

agctgtgccc tgatggtgca tttgaaattg gtgattgggt ttatgttcgc ctccgtccct 60
accgccagac gtccatagcg tcgacttaca ccaagctttc caaaagattt tatggcccat 120
tccagg tact ggatcacata ggcccagtgg cttacaagct tcagctgcc a ctttcttccc 180
gcatacatcc agctttccat gtatccctct tgaaaccgca tcttggggcca tccctgacta 240
caactgccac attgccatct acaggggaaca accaccaact cttggtctct cctttatcca 300
ttctggattg gaagtgggac cattcatctt cccacctaa caagaaagtc cttgtttagt 360
gggatggctt agcatcgaag gatacttcat gggaactatg ggacaagctg cgtgttgccct 420
atgaccttga ggac 434

<210> 35303
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35303

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gttaacacat gatcagggtg gtctgctggg ttccatgaa ccttctccct taaagtgatg 120
aagtcattat gcgactgcaa ctccttatag agatcttcaa gaaacacaaa atgaggcatt 180
gagaggatga aacatgaggt actaggtaat tctgaacatc gcgataacgc gtctgcaacc 240

atattagttt tgcctattcg atattgtata gagtaatcaa atcccaacaa tcgtgccaaa 300
 tatcagtgt gttccagcgt ttgaatggcc tggctcatca attctttcaa gcttctatga 360
 tcagtcagga ttataaagtg gtgccccata aggtattgcc tccatttctt aacagcagtg 420
 gtaatcgag tgagttcacg aacataagtg g 451

<210> 35304
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35304

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 ccagaacag gtcagaactt tgaaacatat atgaatatga tgatgactat gaaactgata 120
 ttgattccaa taaagcatcc atgtactctt taagtttcaa ttttgtaatt gcaccttcca 180
 ttctgctttc tggaacttcc tgcccgttct tgaagagtat taatgtcggg agtcataaaa 240
 ctttatactc ttaaattact tgccgggttga catcatgatc aatctttaca accgttaatc 300
 tgtcttcata ttcttgcaag ttattattat aaaaaataat catgggtccag gggagacaaa 360
 ttaagatcct aaagatcact tgacaatagt tcttaggaaa atcatactat ttgtttcaca 420
 ccatgctatc cccaccatat atagcctata 450

<210> 35305
 <211> 282
 <212> DNA
 <213> Glycine max
 <400> 35305

ctcattgagt tcttatggct atagagaacg agcaaagatc cgcattgggtga tcggcggaacc 60
 aacatagacc actgactctt gcaacatggg cagatgcaca tcttttagatt catggcgagc 120
 atgagttact atgggtgacca ctgcatcaag agttccctca agctatztat tatccgatca 180
 tgaagatgaa acgagggcca cctgatggac tctcgtatag aaaagagcat catttcttgc 240
 actgaagtgt agggagttgg aagccatcct ctcaatcaaa tt 282

<210> 35306
 <211> 408

<400> 35308
tctcgatatg ttatgctgtc gaatcggaca tgcgagtgtg gttttgtgat catnttaata 60
tcccagagagc ttccgttggt caatttctag catctcgata cgctatgtgc ctgaatcggg 120
catgcgagtg aaaagttatg accatgtgaa tttctcgaga gcttacgtag ttaaatttct 180
agcggcatga tacactatgc gcgtgaatct gacatgcgag tgaaaagtta agagcatttt 240
aatttctaga gagactgcga tgggtgaaagt cgagcgacat gatgtgtcat gtgcctgaat 300
cggacatgcg cataatacgt tatgaccata tgaatctctc cggagcatct gtctgtgcaat 360
tacta 365

<210> 35309
<211> 336
<212> DNA
<213> Glycine max

<400> 35309
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aggcatgcag cctgctatga gaagcctatg gaactcaagt gctacacagt cgaaagcagt 120
gctaagaaag cctccatcag ggcgagcact atactccttg acctgcagct catgccatat 180
tcacaaagac atcttcacat tcaacaggta aagctcattg gtgaccgcgg tgcgctggaa 240
gagactcaaa ccgtacctca accaaacaac tgtaaccgg caactatcag ggagaagctt 300
cgggtgcttg tcaagctacg ttgcgcctga cacata 336

<210> 35310
<211> 424
<212> DNA
<213> Glycine max

<400> 35310
tgattttcttg gcctgcttgt gctccttttt cgggtgttctg tttatttcag tgccttttagg 60
ccttggaata gcggtgaagat aggaattcct taatctgctt cctgccatta gaaacctaaa 120
attcattgta tgctaatact atgtgtttta tattactgac ttgcgcaaaa tcttcaggtg 180
gcaatatcag tcttcaagat cttgcttcat gtctctaggg caaacacact ggttttgggg 240
aatataccag ggacgccaat attccacaac ctataccaat atagagaagc tttgaggatc 300

ccttcattta tcattttggc tgttgagtct cccatctact ttgctaattc aacgtaccta 360
 caagaaaggt tagataaagc gacttgtaga ttggcgattt gtgaatgctt actacatttc 420
 aaat 424

<210> 35311
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35311

agctntgatg gtgtcgagaa gatatcacat gtttgtcatt atcaaaaaag gagagaatgt 60
 gaatgtatgt atacatgatt ctgatgacgt caaaagaaga atcaacaag gtcatttttg 120
 cttcaagatt aatacaagat tgtttcaata aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcaaaat gaaaagattt caagtcaccc aaggcacatg taatcgatta 240
 ccaaggcaca tgaaagtgtg caatcgacta cacatcatat gtaaggcgcc atacctatac 300
 tggagtgatc gattatacag gagtgatcga ttacacatta ggtcctaagg caatgctctc 360
 actacaatct acccaacata gaggtgtcct acatcttcta ccatacaatg cctcgtaagg 420
 cgccatacct atactggag 439

<210> 35312
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35312

taaaggagta ctcatagctg gtgtatttac cccaagggtc tataactctaa agagtctgtc 60
 agggcctttc tcttctaatt taggaccaat ccaaaaaaca ttttaacaca tagactctat 120
 ctatgaacta tacaaaatac acaaatcttc tattgttctc aaaataattt taactcatcg 180
 tgcctcaaag tgatcaactt tgttgggtta ccatagtgga tcccatcaca atactcggtg 240
 cacattaact cgtcgccctt aaagggtcctt acaatccatt gattgtatga ttcatagctc 300
 acaactcaat gcacacaaca tctcaatata catgtgatct cacaatttaa cacatagtca 360
 acttgtcact tacacacaat tcatcacact ttcataatcc taatacatca tgttatcaag 420
 cctcatgcat catatacata tcacacatt 449

<210> 35313
<211> 285
<212> DNA
<213> Glycine max

<400> 35313

agctcctaac gcggtttcag cgattttgaa ttattggatc agccatataa cattctttaa 60
gcgctgagcc atcgatatt tctggcttta ctatgttaca ttttctgcac catcaacatc 120
aatatgaaac agtattacta tctgccgaca ttgtcacatg gacttttttag attacactga 180
tagcatgccca ctttttaagt ttatactgac gctacctgag attgtatcac tgttggtgga 240
cactaccacg attgcgtgaa tcgcatctac cactcatcat ttaaa 285

<210> 35314
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35314

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ctttcgtcca gttaaactga tagctttaaa acactttggtt catttttgtc tcagattatt 120
ctcttgtaat tcgaaaatct taacacaaac atcttcaagc tttatataga ctttagagct 180
ttgatccgtt gagagatatac aagtagccat tgtctaatag cttgagcatt ttacataagg 240
ccattactat acagagaaaag tgtgggaacc acaaacactt tttgtagcat atatttagag 300
aagtacaacc tgctagtgtc atcttgtgct cagagctgac tttcagtgca caaatcaa 360
gtaatgttaa caacatatga caaanataat taagaatgtc aagacangat cattaaatct 420
tcctttt 427

<210> 35315
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35315

agcttatagc ctttgtgaat ctgaggcaca tctttgaaat gatacataac tctcatgtaa 60

aggatcctca ttcgattata tataactaaa aggaactctt cactctcact tgatatattt 120
 cttccatttg cgagagggtca tttttgggac taagcttgca gtgttttttc ttgctctcct 180
 tttacctgtt gttgcagatt tttataaaca tggaagagta agtatgaaat agactgtcct 240
 attattttca agttaattac ttcttacata tataccatgt caatgtactt ccactactgc 300
 aaaaatgaaa tacaacgacg gttcttaagc acattcaaag atgattcana accatctttg 360
 aagccaacat cgtcgaaagt caagactttn gaagatgggt cctaacaaac ctcccttagaa 420
 aaatgtatca tt 432

<210> 35316
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35316

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 tgaanaataa taagcactag ttattggggt gcacagtaat ttccattcat ttcattgtatc 120
 attcaatacc taattcacac agtaaactcc actcactctc tacatattan atattctcaa 180
 tgtataacag atattntttg tgacactgga ttccattccc acgtcttatt ggtagtatta 240
 tagaagatgt gcagtaatac gggtagtctc ttgacatgtg tataccgtgt acagctccca 300
 taaaataaag agtaccacat aatcatatga tcaatttcac tgattctctc atgcttctat 360
 tntatctttt ggtgaaatat tcctttgctt tnttcgaatt ntacactccg agagaaatat 420
 aaatcctgat aggctag 437

<210> 35317
 <211> 439
 <212> DNA
 <213> Glycine max
 <400> 35317

gatctctaag cgactgagca tgcaagcttt gtactccact aaatttgcc tttgttgacc 60
 aaagctaata ccgctgacaa ctttgtgaaa getgtgcacc caggatacaa aggcattctt 120
 gaatcatttt ctattttctc atacaaaggt acatgtgctt gttgaaatct gtccctgcccc 180

aaattgcaaa tcatgtcttc tatacgggtat cccatgtcta catcgactga ctcagggtga 240
gagactgatg gcttgttttg caattcccca tgccatatcc attttgtgta atttggaatg 300
atcctatgac atatattgac tgggtgtctcc tattcccaca ttttacgcat ggacagaaaa 360
atttaccctg cacacatggg gcattgagtt tagtaaattg gaggaattgg tcaactctat 420
tctcatactc gtcactgat 439

<210> 35318
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35318

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ttgttgatgg cttcttcccg atccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
gtagtccctt ctcttgagc atcgatctag ccctctccat aactgtgcga ttctttctct 240
cggacactcc attttgttga gaagaatatg cgactgtaag ttgtcgctca atgccttcat 300
cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gctgcgataa cttcttagta 360
cttttatccg ttttccactt tgattntcag caagggcctt gaactttttg aatactccaa 420
agacttctga ttnttcttt 439

<210> 35319
<211> 442
<212> DNA
<213> Glycine max
<400> 35319

agcttgcttc tgaagcttct atggaggtcg gatctttgag cttcattggt gtccttcaat 60
ggcgattttc caccatgcag aaggcatcat cctctaggaa ataaggcatg gaagaaggag 120
cttcaccatc aagagagtgt cttggataag aagctcatag aggaagcttc aatggaggaa 180
aagaaagaga gagagggagg gagcacgaaa ttgaaggagg aaaagagaga gagaagttga 240
actttgaagt atgtctcaca agactctcat tcatcaaagt ttaaggtagt caatacatag 300
caatttaagt tgcattgacc atttaagttg gctcacaaat cccacacatt tgaaggacct 360

<211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35322

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 ngagaatddd ccagtcattg tatcaattca acattgaata ctgaacgcaa gggaacgact 120
 acccataacg gtcagaatgg tcgacgcata tcaaagccca gagggaaagg tcatagaaaa 180
 tttcacagtg acgttacttg ctggaattgt gacaagaaag gtctctttat caatccgtgc 240
 atggcaccat agatgaacaa gtcgcacaat aacaagaagc acgatgatga tgaatccgca 300
 tatgcatcaa ctgatgaact tgatgatgca ttatttgagc ttggatagtc ctgttgatca 360
 tggacatgga ctaggtgtgt cgtttacact actcctctaa agattattgc taactat 417

<210> 35323
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 35323

agcttgccgc tggagctgac ccatcaattg ttctaactct ttagactgt tgatccctag 60
 gctcttgacc ttgacttgat agaacctctt ttttagcaaa ggcgtttgac ttgatcccat 120
 gttttactaa agtgaaacaa aatctaacgc gaatcagaac tccgacatct atcatgggtg 180
 gaatggatga atgcgtgaag aaatgcgtat gatatagatg caatttatga acacgggagc 240
 ccgggaaatt gtctccttct tagatacaac gtcttggggt agcaaagtgt ccgacgtatg 300
 tatttaagaa ggtgacacgg accctccgtt ggtttgccaa agacagggga tatagacaga 360
 acccgtgcat gatgcatatg cgaaaggcac aacactggaa tgtacatatt atgacaatat 420
 tcacaaaata taa 433

<210> 35324
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35324

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tctccccctt tttgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120
cacgttcaca cagcccttac tccccatatac ttttggcatg tatgcctaac tttaatgatt 180
tttaattgatt ttaattgatt tctaaccctaa gttctctccc cctttggcaa catcaaaaag 240
aactaagcaa gacaatcaat agctaaacag agccaaacat taaacaaaaa taagtccata 300
cattgtcata accaaccaaa gcaaagtcca gaaatataat aatagtgcga gattacgata 360
actagagcaa caaatagcca aataaacggc gataaaccaa aagtactaat aatacttaat 420
cactaataat acttagtcat aatacttaag cta 453

<210> 35325
<211> 442
<212> DNA
<213> Glycine max

<400> 35325
agcttagacg aacttggtcg agtcgagatg actttattat ttatttggac aagttcgaat 60
ataatgtaga agatagtga tgtgagcctt ttaccctttt gaaaggcttg tatttaaaaa 120
tgtttttaaaa atacttttaa ttaaataattt gaatttttat tcctttatta atatatatgt 180
gaggggtaga ggatgtcaca caaggcatat ttaatgtgag ccttttttta ctttattgtc 240
cactcctaac catgcaaatac aatgggtgagt tgttgatcta gtttcttaaa taatagtatt 300
ataatgggaa cacacatgaa taaacaatat ttcttatact gtttcaacta cgtgaataag 360
gatccctcta gtttaattaa ttagtgctaa taacttatac gtgtaacgac tacagctaga 420
acctagaagt tgcatgcctt tt 442

<210> 35326
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35326

accacacccc cgaccacgca caaacacaac cgccaaaaac tccaaaaaac aggaatgctg 60
ctcctgncgc accaaaaaaa ccagccgcag gcacgggacc cagacaaggg ngcgaccctt 120
cgtcgcgcca cgatgacaat cggcaaaaagg cgacaccgag acagccagaa cacctcaagc 180

cccgacggc caccagcgcc agaaccgacg tgccccaca cagcccacac gcatcaacct 240
 accacaacac gggccgcacc atacccccaa agccaaccga ccagggcagc aacacaacac 300
 cgcaaacgca ccaaagaaac acaacgcaag acagaccggc atacgcagag aaaccggac 360
 ccaaacccaa ccaaagcac acccttgaca gcaccagacc ccaacaccaa gtacctgcat 420
 gcaaaccacg acacgaccga ccgaccgtca acggaacagg aagaactaca ccaacagccc 480
 gcgtctgcac gagggacagc agaaaacaac acagccaccc cg 522

<210> 35327
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35327

agctnttggt ccatttttat aaaaaagaga agttctgaaa ctcatcacgt tgtctaaaaa 60
 agggctcttga ggtggatcta agtgcctctga tcattcatta gcataacata ttcattgattt 120
 gttggcatgc tcaccactgt ttgtttcttt aggaaactcg ccataactaa aaaagcgcaa 180
 aggcacccct ataacacccg atccaaaagt aagatgggta aggaagaggg agtgcaagaa 240
 cagatgaagg tcgacatgtc ggcttttaaaa gatcaatggc ttctatgacg gagggccatgc 300
 taaaaattca aaaatcaata gaagacaatg ctacggcggc cgcttncaac acaactaggg 360
 aagcggaatc ggtgctacaa cccgcaatga act 393

<210> 35328
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 35328

tgaatagcct caagtttagg ggcaaaccgt attctttgaa ttatagagcc aaagaatgtg 60
 ctctggaagc gtgattcaaa agatttatga ttaggactgc ttctttgtcg agtctatcac 120
 caatctcaaa tcaatgttcc tttgttataa ttaattagag gttactatta ggcacgttgt 180
 ggtgtaactc tattaataat acacatgcat ttcacattct atcaataata cattttctaa 240
 ttctctgagt tcctctcttc cgttattatt atgttctatc atgtttctca acattttctca 300

aaagtcttag cacctataat aattaaagga ataaatttaa gaatataatg cttatgaaca 360
gcgtatagac ttttattcaa ctgaatattt ccttcatcca aaaacaatta ttatttttgt 420
acttttcttt taagtaat 438

<210> 35329
<211> 429
<212> DNA
<213> Glycine max

<400> 35329

agcttgacga ctgtggactg attatattct cttatgaaat gatgatcaat ggcaatgtgc 60
ttagatcggt catgatgagc aggattcgaa gcaagactta tagcagatgt attatcacat 120
aataacatcg cagatggcac atcaacttca gagtgaagaa gtaacctgtg taaccaaaaca 180
ctttcactat taacacacga caagacacga tattcagcta tagtggatga ttctgaaaca 240
gtgggttggt tcttagaacg ccaagaaaga aggttggttc ccaaaaagac acaatagcca 300
gaagtggatc ttctagtatc aacacaattg gcccaatcag catccggaca ggcaactgagg 360
tcgagagagt tctgagcacg gaataacaaa ccttgtccag gagcacattt gatatactgc 420
ataagatga 429

<210> 35330
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35330

agcttctaaa cntatatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
aatatctaca gaaggtgggg ggggtgaatt aacatatcac aatcttttct aaattaaaaa 120
ttctattttg attctaacc atateccaag atttctttca aaaatgaact cctaaataat 180
tatgcaaatt aatcttacta aatagaaaca ataagcaata tacaataaaa gagtttaagg 240
gaagatagat tgcacactct gatttatact ggtccggcca cacccttgtg cctacgtaca 300
gtctccaaac aaccgcttg agagtttcac tatcttgcaa aagcccttta caagttctaa 360
accacacaag gacaaccctt cctttgtgtt aaaattcttt acaac 405

<210> 35331
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 35331

tctagccaaa tggacttacc ttgaattaat cctttgttat ctctcttttg agccttgttt 60
 ccctttcctt ggtttgaagc tcactacaag ccttaagtga aaaaccatga tatcaccata 120
 tccttaagga attttgagc tttggaattg ttttggaat aagtgtgtgt gtgtgtgggg 180
 gggggggg 187

<210> 35332
 <211> 494
 <212> DNA
 <213> Glycine max

<400> 35332

cgcgcgaccg tttgaacacc tttcgagacc ctgggaggct ctagagatgc tctgcaggcg 60
 tgctgcctgc ctgctagctt gtgaccacac aagatgctct atcatctctt ataccgtttg 120
 accactcgca tgtactacag gacgaggttg atcatcactg ctatccaaga ccatatactt 180
 ggctccttga tcactagcg agcaccatta cgtaacctaa actctgcttc ctcatatata 240
 ataagtggaa gggaggaatg catgaacatc tgcacatgat atcgatgcc ttatttaaca 300
 cggaacccg gtatatcagt tgatttgata gacaacattg gttactcaca tagacggact 360
 attgtttatg atagcgacac agacactcac tgctttaaca agacgcttat atagaagaac 420
 tcctgcaa at catatgttat agcaciaact gtaagtcatg gacgaagtat gccaaaaaga 480
 gctcgcgagc atcc 494

<210> 35333
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35333

tgtaggatta tggngtacct atcacatgtg gtactatgtg gttgtcgggc gatgggtgcac 60
 aacaagtttt ccacatccac aaatcgcaca taaaccaca atcccctgtt gccacactcc 120

aactgagctc acgtactccc acgtagccca tatectcggt tctctcaaca ccgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcca agtaattcaa cattcaaaca gcacaaacta 240
tcacagccaa gaaaacaggg caaaggcaga aaactctgcc caaaacacca accaaaatca 300
cagcttttcc cacttaaaga cccagtaac atttccttcg ttccaattcg ttaaccgttg 360
gatcgactca naaattntac tggaagtctc tagtacataa gcttacattn tgaccgttgg 420
gatttgctag caaatatcca gaaatcattc t 451

<210> 35334
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35334

agcttagtgt aacattaagc ttcaacttac ttgagnagtc aggcttagcg caacaggtgc 60
actaagcgca cttccaagaa ttcanaaccc gtaaaagatt ggcgcttagc gcttcctgac 120
ccgctaagcc cagcttaaaa actcaagtta caaaatggat caagggctta gggcagcata 180
gcacgcttag cgctgctaca ataaaatttt tcccgagaag aagtgggtgct tagcgcatca 240
tccacgctaa gccactgggt taaagttcaa ttaccgcaa gatgtggggc ttagcacagt 300
gttgtgcgct tagctaaact attcaaccaa ccaatcaggg gtctatgcgc ttagcgcgag 360
caagcttggc ttagcgtgtg aagactaagc gcttagcgga tagacaatcg caaaaaaatt 420
tctaagtc 428

<210> 35335
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35335

tgaagggtgt tagcccacca tcttttcata gttgaatatt gttaatgtgt ctactattat 60
tgtcatcatc tttttctcgg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
tgggcgtatt cttttgaaga atttgtgccc cttttttgca catgttttgt agttgcatcc 180
tatccgaagc cattataccg aactgecta acgaaggcaa ccattagggtc ctcccaggaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacaa ctaccccagt aagactttct 300
 tggaaggaat gtatcaacaa ttctctttct tttgcgtatg cccgcattct cgcacaatac 360
 atcttttagat ggttcttggg gcaagtaatc cccttgtact tgtcanagtc cagcaccttg 420
 aacttgagag gggatgatgat att 443

<210> 35336
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35336

agcttgagat gatgtagtgt agaaggggtga atcttcctgc ttttattcgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgnggtca ggagacctg gggacatcag gtgggggtgct 120
 attgccc aaa accaagcttg accaatctcg acccaacccg ggcatagtcg gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaaag gaacaaagac 240
 cacatagcaa ggaggcttgt ggtggctggc cagctgtgaa acttgattga tatgtgagat 300
 atggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaagggtt aaaaatgaag 360
 acaggaggct aagatgggtct ctggatcatcg atta 394

<210> 35337
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35337

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 ccgagtacat tggatttggt acgaccatgc cctcctgatt tccagctggg aaattggcga 120
 gtggaggaac gccccggcat ttacgcaacg agcataatgt aaacctttac ggttttaaaa 180
 gctctatagt tgggcctagg cttagagat tttcctattg ttaaggcttt gtgtcttttg 240
 tttttgaatt tataatacaa ggaatctttct tcactgttgc ctacgtctct acccattctc 300
 attcatttgc atgtttactt ctttttctga aatggcagat ccaatgacga gtcccccgaa 360
 ggtactaata cctgagaccc gcctatcgac ttoga 395

<210> 35338
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 35338

gtcgctgca gcatgcaagc tctgaggagt taacaatatt ctcattgtgt catcatcgga 60
 agcgaatatg tgaatgtatg tatacatgat ctcgatgatg tcacagacga atctaacaag 120
 gctgcttcat aggataagca tttgcttcaa gaataattca tgattgcttc aacaaacaaa 180
 gccttgcttc aagattcact aatgaccaag ccttgcttta taacaaagtg ctttcaagac 240
 atgcagggct ctggtaatcg actatcagga tgcgtcatcg accaccagag gacagggtcg 300
 agacatactc gatgaacacg ctctgaactt gactctctac ctgtaatcga taccatatgt 360
 ctgcactcca ttaccatcaa cggaactttg gaactctaca ttccaaagtc ataacc 417

<210> 35339
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35339

accgctccct tacacttacc taaccaacgc taatctataa catgcatcta ccaccaanaa 60
 aaaacganaa atttgtagct gcatccntag cnannacgng aactatanac tactcagctt 120
 ggagcgtaga agaaactact gtaatggcat cgttattatc tatgtatgag caacaacgca 180
 ttacagctgc gctaagaatg aacatcacac tttcacttct tctcttatga gtgtactcgc 240
 attatagcta ctcccgtaga tctctgggtgc ctacagtatc cttctacaaa cttaagttga 300
 atctttaccc aatgaccttt ccacgaagct aacgccttat tctgtaagac tacatcgtat 360
 tctcgacat gcgaatcgga attcgtatat cgacagtcac acaatatgca tgcgtgtaac 420
 gtatactcaa ctaacctcct tagaacacaa gatgatactc ggtgttatta ccgctaggta 480
 cactcatcat atccgagctt ttagctgaat gagggtctacg ccaaaactac ccagatccat 540
 ntcttctttt gctaacgcga ctgatccgag agggcgaccg acgatcgacg 590

<210> 35340
 <211> 435

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35340

naagctttgc agtgaagagt gatgttggtt acttggttta cttcttcac ttcgtcagaa 60
 tcaccgctcc ttggcatcac cattcatgtg gttggacttc taagacgtgc ttcacaacaa 120
 ctatgggtac cgccatgagt gcaccgtgac ttaatgtcag agtatttcct cgtcagacca 180
 ttgatgtaat ggtggagcaa ctcagatgga gagatggagg acatctcaga tctgaaaggg 240
 gaggaagaag aagggataaa aagagagaaa aaaaaaaac caggggaatg tccggaaagg 300
 gggggaaaaa aaaaagagaa taagtcaaag aaaaaaaag aataaattca cgttacatgt 360
 catgtcactg atatcttcta tgtgactata tatacttgta tcaactgacat tatgagaaaa 420
 aaataattta cagat 435

<210> 35341
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35341

cttgtgtaat cgattacact gatctggtaa tcgattacca gttattgttt ctgaataaat 60
 caaaagatgt aactcttcaa atgggttttg actttttcaa attggtttca agttttttta 120
 aaagtcataa ctcttctaaa tggctctctt gaccagacat gaagagtcta taaaagcaag 180
 gctttgtttt gcattttata acaatccaat caatctaata caatccttta ctaggcttga 240
 atctctntga acttcttctt cttctttgtg ccaaaagctt tccaaagttt tctgggttttc 300
 taaaccttga aaacttgtgc tattcattct ttcatctct tctccctttg ccaaaaagaa 360
 ttgccaagg actaaccgcc tgaattcttt ntgtgtctct cttctccctt ttccaaaaga 420
 acgaaggact aaccgcctga attcttt 447

<210> 35342
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35342

agctntgcag atttggctctt cgccagagaa aggatcgaag tgggtctgaa aagaggcaaa 60
 tttaatcatc ctgcttgggc gaatgagaaa actggggcaa ttgaagaagg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct atacgaccaa gtttcccacc aaaccaacaa 180
 tgtcattact cagccaatga caaacctctt ccttaccac caccagtta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct accacacttc caataacgaa taacactttt 300
 agcacagacc aaaacaccaa ccaagaaaat gaatttgcag cgaataagcc tgtangttca 360
 ccccanattc cgggtgtcata tgctanactn gctcccatat ctacttgata ctgcaatggt 420
 agccataacc 430

<210> 35343

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35343

atacaaagggt gttacaagag aacctatctg tttctaatta tatggggccat caaatctatc 60
 atgggnngac agnaattgat tagcccatga atctcctcgg gagccgtaca cacttcggcc 120
 atggcttttg ctttggctaa tagacgcggg aggtcttgac ttccattcaa ggtaaggcg 180
 aacctatcca tccacatagt cgcttcttga tgcaatgcat caatcacct ccctcttgct 240
 tcttttttgg cgtacacttg tgcaaaatcc tccgctagct cttgttcatg ggtcacagac 300
 tggttcaact cttccttgta ttgccctatg atagctagca tgctgtgctc tgcggcttcc 360
 aagtgttgag ccaaactcct cttggacctt gcgcacgcag ctaactcttg ttttaagatc 420
 atgccatg 428

<210> 35344

<211> 412

<212> DNA

<213> Glycine max

<400> 35344

agctctgatt atatggctctt caccgacgaa aggattaatg tgggtctaac aaaaggcaca 60
 tttagtcato ctacttacac cactgacaaa actggggcac aagaagaggg tgaggactga 120

agagaagccc gtgctgtgac tgccattcca atacagccaa gtttcccacc aacccaacaa 180
 tgtcattact cagccaataa caaaccttct tcttaccac cgccagata tccacgaatg 240
 ccatecctaa tatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt 300
 tagtgtaaac caccacacca accaagacat gaatttcgag cgagagggcc ttagaattca 360
 cccaagtgc agtgtcctat gctaactatg ctccatattt acttgataat tc 412

<210> 35345
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 35345

agctcgaatt tgaacaacag aagctcttga gaaattcaaa tggccataac ttatcacacg 60
 gaagcccga tcatgcgcac aatatatcga gaccctcgaa attgctcatc aggaagccct 120
 caagaaagac aaatgggtgat aactcttcaa acggaagtcc caatcacgag catatatata 180
 tcgagaagct tgaaattgaa caatggacgc tcttcagaaa ttcagtcagt catatctcat 240
 cacacg 246

<210> 35346
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 35346

tcgaacaaca gaagctacga gaactacaat ggtcattata tgtcacacgg aagtccgatt 60
 caggtgcata atatatcgag acgctcgaaa tacaacatcg gaagctctcg agatattcca 120
 atggtcataa cttgtctcac ggatgtacga gtgacgtgca taatgtatca agaagctgga 180
 aattgaacaa cgaaagctct cgagaaactc tgatggatcat aacttgtcac acggacattc 240
 gacacacgcg cataatatat cgagacgctc gaaattgaac a 281

<210> 35347
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35347

agcttatcta gacacaatat atttcacctt anataattgt tatctaaact tttttctacg 60
 taatgcggaa taagtaaaaa actcgggtgga ttaacaacaa attattgctt tgtgtttgaa 120
 attattaaga tgtaacaatg tgatgaggaa actaaactca acaaactttt tgcttgtagg 180
 gtctacctat tatgcaaact ttaaccctca agtctcgacc atgaaataaa cagtagaggt 240
 gacagaaagg ttgggatggc tnggatgcaa aaggtaacca natccanaga ccnagctggc 300
 aacctatatg gacacacgct gacaagccca ggactctntt ttattccata tacatncgaa 360
 attgtttttt tttttctctc tctttgggta ctaatgtatt ttgatgtgca tgttcagcat 420
 caat 424

<210> 35348

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35348

tctnacaaac tctgctagtg aaattcacat cacatcacta tacattttat cttggatttt 60
 gcatcagacc tgggagatgc agatgttgat gaagatgaat gtcttccagt gtttcttgcc 120
 acctgaaaat agcatcacca gaaaattctt aaaatttcaa ctttcatata agcagagcta 180
 gtagagtagt caaacaccat atcattttct tagaaaagag tttataattt tcatgcactt 240
 agtgtaaaga gttttacatt atcaacaaat taaaatcac tctaagaatg actttctaac 300
 aatcttatca tatatgacaa cttgtgactg aatgatgggtg taaaattaaa ttggtagtat 360
 attatagtta aaattctata aanatgatca ggtatttgct acccaataat atagatcctc 420
 cacaaaattg anaatgatca catccattgg ctgccactca ataagatacc aaagcaactg 480
 acaacact 488

<210> 35349

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35349

agctntggat tatatatatc ttagaaactt ttctactcat gcactcactc agcgcgccct 60
atgcgctaag cgtatcattg tgcacgtgct gagcgagtca ttactcgcg ctaaagcacc 120
atccccact cattgggtga tgaagcatcg ctaagcgagc catgtgcgct aagcccataa 180
acctcactgg aatttcatct ttggaattg ggctaagcga gacatctcgc taagtgcgcc 240
agtgcgctaa gcgcaatacc ctctctgttc gaaccttcat gtgaattggg cccaataagt 300
caacctgcta agcccaaata cctttcggg ttggaattgt gctaagcgag cccatctcgc 360
taagcgcgcc ccactactac atcatgaagc attaatc 398

<210> 35350
<211> 437
<212> DNA
<213> Glycine max

<400> 35350

ctttgtcgcg atgacgacat cctcttatac ttgttctatg agatctatat gtacctgcaa 60
tgctctgttg ttttcggcct gtacgaagct ctatcttctt agtgatattt ctcccactta 120
taccgggacc ataacatcca tcccgatac cggccaaaaa ggtgtctctt gggttggaaa 180
tcttgagta aaccaatgtg cccataagat ttcaaggagc tcctcagccc atctttccaa 240
tggcattgtg tagccatttc tttagttcca ccaaaattac ttggtcgtta gtttaatgg 300
gttctactag cggaactcgt gcttgatgtc gatgcttgat ataaactcga tcatatttca 360
gtctgggaat tgtaacatat ttcggtacca caactcatgg agcgccgagc gagtgatgat 420
attctccaat gaacttt 437

<210> 35351
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35351

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ccaaattgag tgcaaccaca tgcgtgcagt agttccagt gatgtccagg tgcagatatt 120
ttccattgac ctccatgttt tttccctttg tgggtgcaaac ttagttcttg gagttcagt 180
gctaaaaatca ttgggactac tccttacaaa ctacaatgat ctaacaatga aattcatatg 240

tggtggcctt gtggtggatc tgaaggggga catgggttctg aagtgcggtc cattacgcca 300
ccacaactat gacgttttggg ccataaggat ggagctagtg gnttcttcca tattcgcatg 360
gtatcatgcg agcccccttc aacctanacc atttggtcac cactaacac tctagaaata 420
gcat 424

<210> 35352
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35352

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gtatctcgag acgctccaaa ttcaaaacag aagctattag aaaaatctat ggacgataac 120
tttttacacg gatgtcccat tgagtcccat aatatatcga gacgctcgta attgaaaaca 180
gaagcgctga ccaaattcaa acgacaataa cttttgactc agatatccga ttgtgtcccg 240
taatatatcg agacgctcga aattcagaac aaagctatta gaaaaatcaa acgacgataa 300
ctttntacac ggatgtccga ttgagtccca taatatgtcg agacgtttga tattgaaaac 360
tgaagctctg agaataatca aacgaccata acttttaact cggat 405

<210> 35353
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35353

ttacgagcgt ctcganatcc tacgggactc tattgggtcat ccgagtgaag agttattgtc 60
ggttgaattt gtttagagct tatgttttca attacgagcg ttttgatata ccacgggaca 120
caatcggaag tccgagttaa aagttattgt cgttagaatt ttctcatagc ttccgttttc 180
aattacgagc gtctcgatat cctacgggac acaatcgaac atccgagtca aaagttattg 240
tcgtttgaat ttgctcagag cttcagtttt caattacgag cgtgtggata tattacaaga 300
ctcaatcaga catccgagtt aaaagttatt gtcgtttgga ctttaataga gtttctgttt 360
tcaattagag cgtctccata tattacgaga ctatattaga catccgagtc aatagtatgg 420

<211> 413
 <212> DNA
 <213> Glycine max

<400> 35356

agcttcacgg atttgcttac ggaataatct cggaagcggt acggaagcac ctcgacttgg 60
 attttcttca cggaacaat tgttttcacc caaaacagca gttgaagacc gaagaaaacg 120
 aataacgaac gatgaatgtc gaacaacgat tgaaaatctt cgcgtaatta cccacggaaa 180
 cgttacggaa gtgcctcggc ttggattttc ttcacggaaa caatctttct catcaatttc 240
 aagagaatac gaagtaccaa gaaggctgaa ccctctcctt cttcattcct cgcctatatt 300
 atagcaaaat aggggaggag cttgcacca gccacccagg cgagctcact cgcccggcga 360
 gctaattgtt ccttcgaaca accgcttctg aggaagatat gaaggccgag tgg 413

<210> 35357
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35357

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 ttggtatcaa gtattggatt gcgtactttc atacgatgaa tctaagagag gtgtccttta 120
 agagacatcg atacatggta tctgctttat ttttctcttt gcagattgtt agttacatgc 180
 atgttgcggg tcatatttta cacagaatat ttcttctttt acaacttgtg agtgtcatcc 240
 attttatcac ctggtggaat aagtactgga ctccacatga agaaaggaag cagaggtaca 300
 cattatttct gcaataattc atagataaac ctgaagtcaa attttacatc ttgttctgag 360
 gatgaaggga acatacttga cttctgaatc agaatttgtt acacggtatt tgggtgttga 420
 taaatagact aaagac 436

<210> 35358
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 35358

agcttatata ggaagcttca aaggagaaac aaaatgagag agaggggaaa aaagtgacat 60

gggaatgaag gaaagatggg gaaagaagtt gaactttgac tcgtatgcaa tatcatactt 120
 cgagagttca attgaccatg tcatcatttg tctgactaac tcaggcttgc gtaatatctt 180
 gcctattggg caatcagttt gaacagtgat cttgtggctc tgaaagtatt gtcgaaggta 240
 gcaagcggcg ttgaccagtg tgagggctac cttttccatc acctgttacc tcgtctctag 300
 atcttacagc tcccgactta caaagtatat cgacctctgc tatcttctt cctcttctat 360
 caataccacg cttatggcct cgatcgagat cgacaggtaa acaatcaatc tt 412

<210> 35359
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35359

tataagtgag gcctngtgag aggatttgct caaacctctc tatatcagta cttgtagtaa 60
 taaagctgac actactacta ctaaggcaag gataagatgc agcatcgacc aaagctntct 120
 gaagaacaaa tctgttaagg gtaccacgga acttcttgaa cagcatgtgt ggaggcccca 180
 gagaggggtg ccagagcgtg cagtggcaat tcttaaagcc tggttatttg agcattttct 240
 tcatccgtat gttagtctct atctatgtct cttattaata tatttcttgc ttcgtgactc 300
 tcttttctgc attctaaaga gacatttgga ttgaattgtg tgcttttttt gctgatgttg 360
 aatatctctt tcattaccct acagacactg attaacacat gct 403

<210> 35360
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35360

cgctngtaat cgattaccgc gagctgtaat cgctacaata agctccctgt ctataaaagc 60
 tgcatttctc ttccttgcgc aaaacccttt cttctctttt ctcttctgatg acgccaacc 120
 ctctccaaac ttcagatctt cataactctc tcatttatta tccaaatcac ttcaaacaaa 180
 gctcagattt cttctttttc aattctctac aaagcccgcc gatcaaaatt tgctgaaaca 240
 agctacaatg gcagaatcct caaagaagag aaagggatcc tctccacca ccaccactgc 300

aggccaacgc cgccacggca catccgatga cccaccaaca tcaaatectc cttccttttc 360
atctcccacg tcattaactg ttgcttcttt caatgaccag cgcta 405

<210> 35361
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35361

tcaataaaat tacttgccca cattatgcaa ttcttacaat tgtagtcag attctttgtg 60
atatggaaat actatcataa ttgcaattg tcattaacac tggtttggaa agaataccgc 120
gcttttcaat ttgtcatttg attgtctttt ctttgggaatt atgttacata catagcagtt 180
ttgcttctaa tgtttgatct aacaacttag tcatgtcata acttttgtn tgaaatatta 240
ttctcattg tgggtttgca tacactacta aatactggac attctatgtc gggtatttag 300
gacattctaa atcggntatt aaccattgtc atagacaacg ccgtanaata ttcgcaccta 360
cgatgatggt taccatttta gaatgtaat 389

<210> 35362
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35362

agctntgcat gtcaagcttt gcacaagacc tatgggaaga tttgggatct agctatgata 60
gatgtttcta ttgaagccat tgcagccctc actcagtatt acgatcagcc actaagatgc 120
tttatgtttg gggactttca gttagtacca accgtggagg agtttgaaga gatcttggga 180
tgcttgctac gaggaagaaa accatatctt ttttctgggt tctatccttc catggcgaga 240
atagccaagg tagtcaaaat ctcggtgcaa gaattggacc gagtaaagca taatagatat 300
ggcgtggtcg gaataccgag gaagcacttg gaggagaaag cgaaggctct ggcggatcga 360
ggtgaatggg cttegtcat tgatgtcttg gcactattgg tatttggagt cgtcctc 417

<210> 35363
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35363

taacaagggtg tgttntatgc ttgagaagcc ttggtctata tgctgtcaac catagtcaac 60
caatcaaagt aattaagata aaactatddd gagcattgat aatattagtt tatctgtaat 120
taagaattat catgctttta gttcaaggaa aattctaata tgcattaaga attaatttat 180
tgagcataat tagtggttga ttcatagaag attcatttac aactagattt gagtgattcc 240
aaaggcattg aactcataca attatdddgtg acaatatggt ttatdddactg gagtcaaaat 300
aattaaaata ggatgggttag atatgccaac gaacatddd aagaatcata tgtaggaat 360
gactaaagag tccttatacc ttatdddgga gtcttcatac aaactaagag agactcctca 420
ccctangagc tg 432

<210> 35364
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35364

agcttatgct acaaacatct acaacagacc tcctcaacct cagcagcaaa atcagccaca 60
acagaacaat tatgacctct ccagcaacag gtacaatccc gggtaggagga ataatcccaa 120
ccttagatgg tcgaatcctt cacaacaaca gcaacaacaa caaccttatt ttcaaaatgt 180
tgctagccca agcacaccat acgttctctc accaatccag catcaacagc agcaacagcc 240
ccagaaacaa caaatagttg aggtcctctc gcaaccttcc cttgaagaac ttgtgaggaa 300
aatgactatg ctaaacadgc agtttcaaca agagaccaga gcctncattc agagcttaac 360
taatcagatg ggacaattgg ctacacagtt aaatcaacaa cagtcccaga attctgacag 420
attacct 427

<210> 35365
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35365
 cgtcgtatgg ganaatcaga acaacttact gaagggaaaa ctatgttcat aatgtgtaca 60
 gaggaataaa aaggggtcta ttgcatata aattatatta aaattgataa gactttaaac 120
 atgtacctat taatcagctc ttgaatttca aaaaattctt caatagtgtg aagattctat 180
 gtgtgtccac accgagacta acctctatta tcaactactt tgatgagcag aatagaaaaa 240
 atttagaaaa caaaccttaa aatattttgg tgcttggtga ctgagtgaag aggaagaaaa 300
 aatgataagt gtttntcaac gtgcaaagaa tataataata ttctacttat aaaattaatg 360
 aattatttga tcaaattaaa ttctctaatt taatcatcan atattaaaat agtttcttta 420
 atagacatta gagcattcgt tggatatga ccccatangt tcaatactaa gccataata 480
 tattaatc 488

<210> 35366
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35366

agctnttgat ggatctttgc ttctgaacac tctttctcag ggtttatttt tcgtgggtta 60
 ttgattaata attaaaaacc tgatccaagt gtcctcttat aacattgcta catgagtaac 120
 tcgttggttg attataatat ataaccttaa atgtccttga aaggagttgg actaatggat 180
 tgttttattg acctgtggaa aatatggcat cgctgttcat atagntttgt gaaaacactt 240
 cttaatttcc atggcaacac gaaataagtc attttattca cgttctgcta ctagatgtta 300
 acttaagaat aaatataaat aatactatca ccagtatttt aattacaata ttatcatatt 360
 gtaattaaca tattgggtctt catattataa atactgatct attgattatt agtaatatg 420
 ataata 426

<210> 35367
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35367

ctcacaagat ctgtgttgcc ttgcttctga aggaaaggcc gtgcataatc agagggaaaa 60
gatagaggca caagagcatc aaagtgctca aattaattca gagtatgcag atgcaaaaag 120
gcttaactgc agttcactag taatagattt gcagtttaca tccccaccta tacctgtcga 180
tattcctgag agaaatagaa gtcaaaataa ggaagaactg gttttattag cttcaaactc 240
ggagtcacat gtttcccaag aaggacatgt tgggagtatt actgatcata gcttgttggt 300
aagtactaaa gctgaggggtg gtactgtcat ggtaaataaa acatggttga agaatagcat 360
ggcgaaagca acacgagtgc atctcaatac taaacctgct gttggagtgc ctctcaatag 420
catggggaaa gcagcaagag tgcattcttan tactaaactt 460

<210> 35368
<211> 429
<212> DNA
<213> Glycine max

<400> 35368
agctctacat atttgtttta atatctatat cggcataact gcactgttaa aggtcaatca 60
gtagatgcac attatgttga ttcaaccagt atgtgttctt gccatgataa tgtgccgctt 120
atgaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattggatc cagcatcaaa tggtaatgcc 240
gtgaggggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacgacgc cagttccagt tgtgcaaaca aatgttcctc aacaacctcc acaaagtatg 360
gatattgatg tggatcataa gaaagctgac acaattgctg atgttcaagc tggaaattcc 420
atcatcacc 429

<210> 35369
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35369

ttgagccgag atnctgactc actgtatacc ttgagccaga gtgttattgt tgatccttac 60
cctcggaagc aatgagaat agaggggaga tttccaatcc nagaataaga gaaggagaat 120
ttgcactgaa tgcagatcaa gaaaagaagg agaattcccc aatcaaagag tgcgataaag 180

caacaaaaga taagaaggaa aattccccaa tcaaagagtg ggagaaagca aaaagaagag 240
aaaggaaaat tctcaatcaa agaattgggag atagtaaaaa aggaagaaga agaaggaaag 300
aaagctcttg atcaaggatc gaaagaaaac agaagatatg tgcagagagg tctttggacc 360
ggacaatatc tgaacaatac agaattgcac caaatgaacg aaaanagaag gagagggaac 420
cacgacctaa aatagtct 438

<210> 35370
<211> 422
<212> DNA
<213> Glycine max

<400> 35370
agcttgcttc atcgtttatg cgagacagag accaacaatgt tagccatcgt cagcaagtac 60
caagaagaat taaatctagc cacaaccac gagcataaag tggcggacga gtatgcccg 120
gtgtacggcg aaaagaaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
atgtggatgg accaatttgc tctaccttg aacgggagtc aagaacttcc ttgattgcta 240
gctaaggcca aagcaatggc ggacacctat ttcgtccccg aggagatcca cggacttctc 300
atctattgtc agcatatgat agacttaatg gccatataa ttagaaaccg ctaggaagtt 360
tgactggcac tcagatcttg actagttata aatttttaaa taaaatgagt ttatcccatg 420
tt 422

<210> 35371
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35371

nggttcccaa cgctttgttc anactctccc anaacctaga ggttttatag aatctctatc 60
agacactatg ctagatggca caccatgtaa tctgacagtc tctaataatgt acaggagagt 120
caacttctct aaggaaaacc taatattgat ggggataaag tgtgtagatt tggccaatct 180
gtcaacaaca acccaaatag aatcaaaacc tttgggggtc ctaggtagtc ctacaacaaa 240
atccatgggg atactatccc acctccactg nggtatctct aatggttgta acttacctga 300

aggtctctga tgttctatct tagccttctg gcagactaaa cacgtataca caaactcgtt 360
aacctctctc ttcattgttg gccaccanaa cattatcttt agatccggat tcatcttggt 420
agcaccaagg tggatgctca nngtgctcct atgaccttcc tctaagatca tcttcctatg 480
ttcggcaca 489

<210> 35372
<211> 407
<212> DNA
<213> Glycine max

<400> 35372
agcttagact gagttcatcc taccatcctc agactaatgg ccaaactgaa cggaccattc 60
attcgttggg ggacctttta agagcatgtg tcttagagca gaagggaggt tgggagagtt 120
ttcttccatt gatagagttc acttataata acagttttca ctctaccatt agcatggctc 180
cctatgaagc tttgtatgat agatgatgta cgacaccctc atgttggtta gagcccgag 240
aaggcctcac cttatgacca gacgtggtac aacaaaccac tgagaaagtt tagttaattc 300
aggaaaggat gagaactgct cacagtacgt agaatagtta tcatgataag aggaggaaag 360
aattggaatt cgacgttagc gatcatgtat tcttgagagt cactctg 407

<210> 35373
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35373

cctgaagaca cagtaatggc aaggatgctn ttgttctctt gaatctcttt ngggtcaatg 60
ccaattaagt ccaatgaggc aaagtaaaaa ttgttgtttc aaaaagaata aagggtggga 120
aatgcaaaac aactttgtca cctcaggaga agctttacat gatgaataaa aagagaaagg 180
aaagacattc ttgccttata ggaaaaagtt gattgggatc tacgtcaaca ttaatggatt 240
tagtaggatc cttagtactt tttgatatcc caattctaca ttntttcact agttttggat 300
tgttttatct gctcatgata aaacaatttt ttgggtaaata aatccatgta caaaatttgg 360
tgttttacaac aatatcattg tttgaggatt ttnttttgct ttagaagaaa acaagagttt 420
gcaattccct aggagataaa tattttgtgt aatttttagt tatatcatat ctacttacia 480

accctanata tctact

496

<210> 35374
<211> 361
<212> DNA
<213> Glycine max

<400> 35374

agcttgatc ttaatttaga attcctctat aataaagggtg attacatcaa tccttttcat 60
tttttggtgg taaagacggc tttatcccat caatcctttt tctatatcta tcataataat 120
gatccgggct cctttgaata ttttacagga aagaatctat ctcacctgta atccgatatc 180
gcaatcccgat gatgtgaccg ttttatttca tataaattaa ttctttcttt tatatgcgca 240
catacaagag atggggttagc cgtttttttc ttgcacaaaa gttaaattaa ccattatcac 300
cagtttagcg gctgtcgcca ccttcttcta cctctaccat atcccatcac tgccacaatg 360
c 361

<210> 35375
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35375

aaataactgt cataaggcgt gaacctatgc atactacca tcatatctct canaacacta 60
taccacagaa ccattatgtg agatgatgtc taccacaaacc tgatatgtga agtgccacga 120
tgagagatg cgctacacga ctccgaacat ggctttcttt cgcgattggg agcagacatg 180
gtgtacaaag gttggagctc tgatggagct tcaatggcga tgaagaagaa aggaatagca 240
acgtgagaaa gagagggaga atagcttctg aattcttggg gctgagtgag gagagagaga 300
acg 303

<210> 35376
<211> 426
<212> DNA
<213> Glycine max

<400> 35376

agcttatgcg catatttcct tacgaacggt cacttgacac agacatccta ttaactaaga 60
 aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
 aagggtgtatt tgttacttac atcacacaca tctccttggc tgaatttaca tacatgcata 180
 ctcaaagcat tttgggggtac caaaaattgc acatgcgctc atcttgggtat ttctaatacc 240
 tatacatata caaacttcat gatgaatcct gactacctac acaataagggt gctacatttc 300
 atgctttttt ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atattttcct 360
 tcactgacta aaattgtatt caaaaataaaa ggtatatatc tctttgtaat atgctttcct 420
 cacata 426

<210> 35377
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35377

tgtcatcgat taccagagga cattntcaga aaattatttc tatgagtcac aacttttcaa 60
 atggctctta catggccatc aaagggtctat ttatatgtga cttggaacac anatttgctc 120
 acaatttttc agaacaaaaa gggttttatcc tctcaaaaag caaaatcttc ttatcctcct 180
 aagattcctt ggccaatata cttgcaattc aataaggatt tatttgagtg ctcaaattgt 240
 tcaatctatc tctttcaaga gagatttctt cttctcttca ctctaattct canaaaggga 300
 ttaagagacc gagggctctt tggtgtatag aaatctgaac acanaggaag gattgtcctt 360
 gtgtggttca gaacttgtat agggatttac aagatagtgg aactctcaag c 411

<210> 35378
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35378

agcttctata ttagctgaac cattatatca ataaacacaa gttgagtttt attcagaana 60
 ttagagctta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180

agtgattctt tcttccttt catcatcacc cttgttcttt caaccacaa ttccaaaaa 240
 tccacctctg ccagaatta tctcgtggcc ataatctcca ttttacgcac tcaaattaag 300
 tgattcttga gctaaattg aatttcaata cgagacctt caactcgttc tggaatcacc 360
 tcatttggag cccttgtagc ttccagtatt ggcatactta ta 402

<210> 35379
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35379

gtggttntca attacgagtg tcgcgatatc ctacgggact cttttgacat ccgaatcana 60
 agttattacg tttagacttt cctagagctc ccgttttcaa tttctagcgt ctcgatatat 120
 taaggggctc aatcggacat ccgagttaaa agttattgtt gtttgacttt tcttagagct 180
 tccgttttca attttgagcg tctcgatata ttacagggtc cgattagaca tccgagttaa 240
 aagttattgt cgttagattt ttctcagagc ttccgttttc aattacgagc gtctcgatat 300
 tctacgggac tcagtcggac atccgagtca aaagttattg tc 342

<210> 35380
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 35380

agcttcatcc tcagatccct cttggtggac taggcttaat ttagacagcc ctcataggtt 60
 tagactaact taaactaagc ttcgtccgca gatccctcat ttaagtctag gtcagctta 120
 catagcttac gaaagtttag actaatttaa ctttagcttc gttcgtagat cccttattta 180
 agactaggct tagatcaaac aacattattg taacaacata tttgaaatca aaacttaatc 240
 cgcagatccc tcatttaaga ctaagtttca atcctgcttc aatcatgttc taaggttagca 300
 gtacatttcc caatgctaaa gtcacctaac tatgcacaca aatgggtgat cagaccaaga 360
 gcatatagaa ttttaagcact cgaagaagca tt 392

<210> 35381
 <211> 368

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35381

tgtccatgaa aataagatat tgaagtatgt catttcaatt tctgactacg tgaactggat 60
catttttaag atccaacgcc ttaaaatgat cacctcttat gttaaagata aaaatcactt 120
gataagcaag aactacgtag gtctgatttc ctcatcacia ttgatgatac gtaggagcat 180
aaggcccgtt tttgttgacc accccgagag atcgttaatg gtccaacgcc ttaacgtttc 240
tctcctttct gaatcaaaag atcgtttaat ggtccaacac cttanatgac ctttttgttc 300
aatcagaata tatcgttgcc aaagatgaat aaacaactta accaaacact cttgtccgaa 360
agaactac 368

<210> 35382
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35382

agcttccatc atgagatatg atgtagaacc actccatgta gtccaatata cactgtccag 60
gagcaatata aatctgaccc accggtgcaa ggtattttaga aaactaaatc tatctatcat 120
caatatcctc tatagataaa gatggagcaa caagggtgtg aggaatgggc tgcacataac 180
caaattgtca caaccctctt tagcagtgtc gtctcgaaca tcttcgngc ccgaagcaaa 240
aactaaaaaa gggaccccta aacaacggaa acgtatttca taaataattc attgacaaaa 300
aatttcatga atttataaat tcaaccaaca aaaaataaac aaaaaactct tgtatattat 360
aaagttcacc acaataaagt taataattct tttccagatt tctaaaagtt ggtaagcccc 420
tc 422

<210> 35383
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35383

tacaacgtag agctaataca gttgtcaact cagaattgac tctctaccag gagcaaacaa 60
 gtacatatat tattgttatc accaagtcca agtagtagac caacaaattg aaaattaaaa 120
 tgttatttgg ctaaggagta atagaccaat agaattgggt aaatacattt agaatgacta 180
 tgttattcgg taattcctaa taaaaaagtt aaagaatgaa agcaataaac caagttcaac 240
 acttgaacta aaatgggtact aattcattga taaaaatgggt accttatttg ataggtcagg 300
 tctaagcctt tacaaaataa atgaaaaaaa aaacaaaatt aaacttgagt taactcggtt 360
 ggcacctcct caatagggtat ttaagcttca ttaaccaatt ccccttgatg atcaacgtct 420
 ttgtcaacat caaagaagga aatatcaaca tctttcanaa ataacttaac ttgataga 478

<210> 35384
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35384

agctctccac catacccaac aatgtcatta ctgagccaat aaacaaacct cctccttacc 60
 caccaccag ttattcacia aggccatccc taaatcaacc acaaagtctg tctaccgcac 120
 ttccaatgac gaagaccacc tttagcacia accacttgta aaaatatcaa cattgaaaaa 180
 tataacctcc cacaaaaagg aattntgcag caaaaagcct gtaggggttca ccccaaattc 240
 cgttgtcata tgctaaactt gatcccatat ctacttgata attcaaattg tagccataac 300
 cctagccaag gttcatcaac ctcca 325

<210> 35385
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35385

ntataagcgc ggggttcggga gacanagggtc aagcgttcgc gatatgcgaa gatgatattc 60
 cgagtacttt ggatttggtg cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttntaaaag 180
 ctctatagtt gggcctaggc tttagagatt ttccttttgt aaggccttgt gtcttttgtt 240

[illegible]

<400>	35386
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<400>	35387
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<210>	35388
<211>	415
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 35388

agctcttggc acaaagaaga ataagaagtt cacagagatt caaggcttgt aaaggactgt 60
ataagattga ttggaaaagt gtattaaaaa gcaaatcaaa gccttgcttt tatagactct 120
tcatgtctgg ccaagaggat catttagaag agttataact tttagaaaaa cttaaaacca 180
atttgaaaaa gtcaaaaaac catttgaaga gttacatctt ttgatttatt cagaaacaat 240
cactggtaat cgattaccaa atcagtgtaa tgcattacac aaaactttta tgtgaaagga 300
tgcgactctt cacatttgaa tttgaagttc aacgtttaaa ggcaactgata atcgattacc 360
anaacattgt aatcgattac aactttttga aatcaatggg agcgttgaaa ttcatt 415

<210> 35389
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35389

ntcggacaat gaagaagaag aagttcaaag agattcaagg cttgtctatg attgattgaa 60
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tggccaagag gaccatttag aagagttata acttttagaa aaacttaaaa ccaatttgaa 180
aaagtcaaaa accttttgaa gagttacatc ttttgattta ttcagaaaca atcactggta 240
atcgattacc aaatcagtggt aatggattac acaaggcttt tatgtgaaag gatgtgactc 300
ttcacatttg aatttgaatt tcaacgttca aaggcactgg taatcgatta ccacaacatt 360
gtaatcgatt acagcttttt gaaattaatt ggaacgttgt agattcaata tgaaaacttt 420
ttcagaacaa ttctgctatt ggtcatcgat tacaacaatt tggtaatcaa ttaccagaga 480
gtaa 484

<210> 35390
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35390

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aaaatgcacc catatacaat caaggtagct tcattaccta aattatttac atgtacttcc 120
aaggtgtatt tgttatttac atcacacaca cctccttggc tgaatttaca tacatacata 180
ctcaaagcat tttggggtac caaaaactgc acatgcgctc atcttggtat ttctaatacc 240
catacatata caaacttcac gatgaatctt gactacctac acaataaggt gctacatttc 300
atgctntntt nttttttcaa gtttttgcta cctaaagcca catgcaaatt caagcatatt 360
ttcctttgct gactaaaatt gtattcaaat tagaaggat atattntttt gtaatatgtt 420
ttcttcacat 430

<210> 35391
<211> 405
<212> DNA
<213> Glycine max

<400> 35391
cgcatcatcc cgtttcagat tctatacaac gattaatata gattgtttgc attaatcggt 60
gtattgaatc ttgaattgtc cgtttggaca gtttgggaag actaattttt aatagtagat 120
tattatgtat aggttaattc tcttttctta aatttgtcaa catttcggta tagttcattt 180
ccctttgttc ttcgagttca tagttgaata tgggtggataa tgatatgcc aacttttcac 240
gttgtgtact tggggactta gccgaaatgt tgccgaaatt ttgacaaata tagaaaagac 300
aattaacttg tagcattcaa tctactaata aaaaatttct tcttgaatgg gttatggcca 360
cacctttaat taacaaagtg agggttacat gcacgtatat aactc 405

<210> 35392
<211> 360
<212> DNA
<213> Glycine max

<400> 35392
agcttcaggc tgetcaattg ctccaggatg ctgcatggaa gggcaaaggt ctgtatggtg 60
gtcagcagag gagcaciaac caciaaccct tgcgacaggt acagatttct gattcaaggc 120
cagctggggt accaagttga ccaacgcac cagtttgcct tcaagcttct tagtttcaga 180
tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
ggcgctaaac tgetgggagt tggaggccat cttctcaatt aaatatctgg cttcagcatg 300

agacatggct tcaagggcta catcactggc agcatctatc atacttctct gcatattact 360

<210> 35393
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 35393

cgaacgccgg ccacgtcgt gaccacgggt ggtgcaactga caatcgtgtt gtcgctgaat 60
 ccctgtactt gcatgtggag ctctgggtccc accgtcgagg tgggtgctata tggattctgc 120
 aactcggcgt ttggctctgc caccatgacc tccacctct caccagtcac ccacgcattg 180
 ctggtaatcc cgttttagcgt accgacgtca ctatctgcag agtctaattc ttacatgag 240
 ccatactcac tttccttccg gccatagcaa gggcctgaat tgctgccatc ttctattaca 300
 ata 303

<210> 35394
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 35394

agcttcaatc acattgtgtg ctgctctgac ctctacgtct gctatgtatt cctacaataa 60
 acaaaagaca gtgtcatttt tagacaaaat tctgagattc aatgaacaag taataaatct 120
 togcacaagt acgttttgggt caaactttca taaaataaca ttattaggat ggaccttaatt 180
 aaagtaacca tgctataact tttcttcacc aaatctttgc ttttgctcag aaagtcgggt 240
 ctaacattgc atggaaaatg gaaaattcgt tcctgggtgtt tgtgatacat atatagatga 300
 gattaattta ctaaaagcct aatatatata aatatcacta gcgaattaat atacatttca 360
 gtggacaata tgtattggaa ttatgttgta atacctttcg tctaataatat gttaacaaat 420
 aaactat 427

<210> 35395
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 ttaacaacat cagtaatttt gggcttaatt gagtgacact cattgggttt aacagcagca 120
 aaaaagatga agcaaagtga ccttctgttg tactttatca ggatgagtgc acaatgtagc 180
 tttcctataa acttttctaa cagcagcaac agtaatcaaa tcattctaac aaactgactg 240
 ccaactacat tcagggcaca gcacctgata atcattcatg aaggaaacat gttaacacaa 300
 caaacatatc agttttgcaa tgagcagtgt atatcanacc aatcatatca gtgcatatga 360
 ggccttatcc aggcctatgtg aggccttatg cacgctagac aannttttta agttttaatt 420
 t 421

<210> 35398
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35398

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 taatgtccta atttaaattc ttaccttctc catagctggt ganttgatta anaaaaatac 120
 attttgccca caaaatgaat aattatgcaa ctaaataaag ttgataaaaa ataaaataaa 180
 tntgagttaa gcaagttggt gatgaaaaat taaaatataa agtttgaatt aaatataata 240
 aagtaaatat gtaattatat attaatcatg ctcttttnt ataattntac atagatatta 300
 aatggatagg tattcaaatt atgacattaa gatcattcgt ttattttggt agcttttaaa 360
 aaattatctt taaaataaaa attgaactaa aatgctatct tttagtc 407

<210> 35399
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35399

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 ctgtcagaga agccaagtta gaggtaccaa taaaattgga ttattgggaa gttcatggat 120
 tgttctgttc ttttttcctt tgagtgtaaa ctgtatatag ttatatgata attactgaac 180

tgacatacaa taagaatgtg actaacttgt tgttggcatt cctgataatt actgaatttt 240
gcatttttgtg aaaccaattt ttgcgtcctt gagcagtggg aacccttctt ttaatgttgg 300
ttttccttta actaatgttg atattntaac ttggctctgc tgtgtgaagt tgataagaat 360
gtagtgattg ttaaaggatt tcactagggt cggttcagtg gcatgcacct aagtctc 417

<210> 35400
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35400

ggctctanat ntacattgat gtttgtattt atgggaggag gttatatgcc attnttgctt 60
taagagtagt atcccactgg taaaattaac ttccaaatg ttgccttcg caggaatggc 120
cccgaggaag cttgcctcat agaggtccag gaaggacaag ggggccgaag gaactagttc 180
cactccggag tacgacagtc accgctttat gagcgtgta caccagcagc gcttcgaagc 240
catcaaggga tggctgtttc tccgggagcg acgcgtccag ctcaagacgt taaagaagcg 300
ctactatgag gcaacctagt acctntaaa tttctgcctg ctatttgatc actntttata 360
gtaggaacgc acctagtgt catgatcctg ngaatntaaa taaaacaagc gcaagctcgg 420
aaggtagtca tacctcacan aatatatata tngtatgtta ggtagaaaga taccttatat 480
atgcatgtat 490

<210> 35401
<211> 360
<212> DNA
<213> Glycine max

<400> 35401

agctttattg actgtgtgca atcacacatt ttacatagag tgtcctcatt gatatgtttc 60
tacagttggg ttgcataac attttaattg tcaaaacata tgattcatgg atatgatcta 120
agcattcttt ctttctttac atttttaagc cactggccaa acagctatcc ccaatgtata 180
ttatctttat catttgcaag ccttttgagc aaaacacttg atattttatt gtgaccctaa 240
cctacgataa aatgttccta cacttgatac ttactatgc atgctcatat ctttcgaagc 300
atatttattt tagacttata ctagagatat ttgtaatttt tctgcacttt gcttgaggac 360

<210> 35402
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35402

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 atgtcaccat gctctttaa cctctccata ataaatgcct tctactactta cttcactacc 120
 atgggatcat caacccatct cctttctttt acaatacctt gaatattatt actcctcctc 180
 catttcacca ctttatggaa ataacaagtg ctgtcacctc cttcct 226

<210> 35403
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 35403

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 cctactacca tctgcatttt gagttgatac tactccatcc tcagatagag gcgattagtc 120
 gatcggttag tgactctgac gcatagatat tcttgagctt ctaccacaag accttctatg 180
 atgcttcctt caacacgagt tgttgtatct taagagcgaa ggctaacc aa atcagactca 240
 ccatactcct ttggacatag accactccgt ttgatttata gaagctggca attcttcttc 300
 taactcctga aca 313

<210> 35404
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35404

agcttcta at gctctgtgct gcaattgcag cactgccaca gttgctttct cttctactga 60
 tagagaataa ttgagagaag atgatttgat gtcatacaag gaaggccatc ctgaagttgt 120
 agaagaaaaa ccagccttgg ggctttcact ttccactca gcaccagaaa ccagagattc 180
 atgagattcc tacattcaat tntcattagt aacaaccaac aagaagtaaa catatatggg 240

agttgggatt tgctagcaga caatattact attccaattn tcacaaattt gaagaaa 297

<210> 35405
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35405

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 tggcagcctc aagttctgat atagctactt ccttgtcatg taaaatggta gtgatgtatt 120
 cctgtttttt agcctcagaa cgagcaagtt cttctagtaa ttgatccctc tcttttctcaa 180
 taatctcttg tctatgttga gcctccgaaa gagctatttt ggttaccact aattcatctt 240
 ctattcctat aacatcatct tgatcaacaa ctacatctgt gagtttgtca tctgaatcat 300
 tctgtcacac aaatagaata aatatagggc cactctccac tatcaacttt gtaatttgca 360
 cctacttaat ataatatcat taatagatat gtgaaactcg gtcacctttc tgaaaccaga 420
 tactcaanat ggccagcctc aaaatcatgt atttcataaa gaactagata taagt 475

<210> 35406
 <211> 324
 <212> DNA
 <213> Glycine max
 <400> 35406

tctatggaag ctggatcttt gtacttcaat gagatgcttc tatgggtgatt ttcaccatgg 60
 agatgcaacg gaaggcaaac gagaagaaga gaggggaggc tccatcccct atggaataag 120
 ccaaggaaga aggagcttca ccaccaagaa ttgccttggg taacaagctc gaagaggatg 180
 ctttaatgga ggaaaagaaa gagagaaggg gggagcacga aattgaacga atacaagagg 240
 gagagaagtg gaactttgaa gagatactat aagactttca ttcattcacag gtacaacaag 300
 cgctactcat gcttttattt atag 324

<210> 35407
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35407

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ataaacaatg ttgacaagat cattgaggcc gaagaagaaa tggctaactc catgtgtgta 120
attgagttga atagacaaag tacatttttc ttggtggaac aattactaaa tccaagacaa 180
tgatgtcttc cagaaaaatt tgctataaac atttcttaat aatgggtgtaa ttgtggtaaa 240
ttataaaaaat tacacatgtc atgttcacat gcaattgcaa catgtaagta tgtccatggt 300
gattacaaat agttaatcaa tggcgtttac aagctcaatt acgtgtccaa cgtttacagc 360
agactgatag agcatttttta gttcattaat atcctattct tottagctta ttcgaccttt 420
ctttgactct tattctctca gcttaattca a 451

<210> 35408
<211> 361
<212> DNA
<213> Glycine max

<400> 35408
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ctcaaagaca cctttgataa ccttaaaatg ggaatcctca attgaatttc aacatattat 120
gaactatata gtatgccctt acaattttat tctaacaagc ctctggccct ttatgtgtat 180
cttcacccca actgcccata ccttcataaa tatatacagg atatagtacc tatgcaccca 240
ttgtttatct gcattttaaac tagaaaaagt acaccttagt atttactact acgaattgaa 300
cagggaaaaa taatacaaaa ttacttacat gacactccct tgatttgaat ctatcacacc 360
c 361

<210> 35409
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35409

nggaaacgan attacctcac tgggctatca cggcatgatg ctattactct cactactaaa 60
ctagaatatg attcgagata gaaggtaatg atgtataana ccaaaactta ctatctocaa 120

cttccttttg ttgttttctt tttatccggc gagaacaaca ctggctcttg aatgttgacc 180
 ttgaacagta gcaggaccag cacacatttt caaagataaa aaanaaatta tatatatata 240
 tattgaactg aagatacccc accaccatgg tggcaagtcc tacgtaaaca tattttctgtt 300
 gacaaagaca aaaaaggagc ctttccatat gttntcactt ttatatatat atatatatat 360
 atatatatat atatatatat acaactaata accg 394

<210> 35410
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35410

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 aaatccacgg gctcctcagc tattgtcagc atatgataga cttgatgggc catataatta 120
 ggagtcgata gggagtttgt attgtcattc agatcttggc tagttataaa tttctgaata 180
 aaatgagttt accccatgat tttactccaa aaaatcagcg cgaatcaaatt cactcccaca 240
 ctttatctct agcatgcatt cattcttcac tacgtactcc ttacatttgg tctctttagg 300
 aaagacgcca taactaaacg cgcccccaagg gatccctatc gcaccatata ctaatcaagg 360
 acgatgagta acctacagga agcgcaggaa catatgaaag tcgacatgtc 410

<210> 35411
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35411

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 atgataatga ccttattaca tctgcggaca agtgaaaagg gaacaagaca aaagggatac 120
 cgaatggttg tgtatgtgcc gaatactagc actaggetta caaagtttca cacaatgctt 180
 atttgcttcc agtataagca cataaagctc ctctgagat atataagaag ccatggcatt 240
 cttttagaaa agtggcaagc aaaaaagagg gaagcaatat gttgatttaa aagttaaaaa 300
 atcaaagcaa catggggatt tagcattttt attttatgct tgattcacag agcatgaaca 360
 aggagaaaaa actaagcttc atacatgttt atgtcatagt ataccacatt cattagatat 420

<210> 35414
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35414

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 gcttaaccaa gggaaaaaga gtcattcttac cctcaacggtt tggtgggagc ccatgttata 120
 tggatcaact ttactttgat ggtatggcaa tatgcagtca tggtgggtct ccaaactctt 180
 ttattactct aactgtaat ccaaattggc ccgaaattcg tagattactt tcacctttga 240
 atctcanacc aacagacagg ccagatattg tatcacgaat tttcagatta ataaatataa 300
 acacatgctg tcagacttaa caaaggggtca attactgtga aaagtgggtg catgtaagtt 360
 gaccatcatc tttatactta aatacaaata taagttgggtc att 403

<210> 35415
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35415

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 gatgggatga aatataatct ggacgaaata aaatctagat agaataaaat ttgaataaaa 120
 taaaatctag atagaataaa atctggataa gataaaattt gataaaataa agttattatt 180
 attattatta ttattattat tattattatt attattatta ttattagtta gacaagccgg 240
 cttgtcaagc ttaacaaact tnttttatgg tttgagcttg gcctttatat ctaataaggc 300
 tgtttaaaaa gcttgagctt gacctttata gtaaacaagc caagccgaac cgagccttac 360
 ataggccgag ttgaaagccc tcgacnagct gttcagctca ttaccactcc taattataag 420
 tcccatgagc aagcctagtc ctatataaat ctgacaaaat atat 464

<210> 35416
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 35416

agcttgagat gatgaagtgt tgaatggtga aacttcctgc ttttattgct gaccacagag 60
 tgggtacctgg agatatgtcg cgggggtcat gagaccttgg ggacgtcatg tggcgtgcta 120
 ttgccacaaa ccaagctaga ccaatcccta cccaacccgg gcatagtcag tcagttag 178

<210> 35417
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 35417
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 ttcttggcgt gcaaggcata acattgagct cgctctctc tttgatcttt gactctatga 120
 tgaagcttct tcacataatc ctggctgagc ttgaccttat gtacgcgttc atgatagaaa 180
 cattacgcat agcctttaga tcacgacgag cctacggtgt ctgtccataa cctgcattag 240
 actgataact attaggttgg ctctgaacac cattatagag ccaaccacca 290

<210> 35418
 <211> 152
 <212> DNA
 <213> Glycine max

<400> 35418
 agcttatcgc gcgcaatagt ttctgctcct tcgtgcttaa cgccacgctt ggcattctga 60
 tttgcgtgct cgcttagcgt ctgacgcgcg cttatcgcca cttgtgggct gggcctgctt 120
 cacatttcct tccttctctt catttctatt gc 152

<210> 35419
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 35419
 agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctaataact aagctcacct cttgagaag cttccttgag 120
 aagattccta aagaagctag agcttagcta cacatactc tctaatagct aagcttacct 180
 cattgagatg agaagctaga gcttagctac acaccctat aatagctaag ctcaccccat 240

gacaaaaaaaa catgaaaata caaaaaaaaaag tccttactac aaagactact caatagaatg 300
gccaaaatac aaggcccaga tgaaggaaaa accaattcta atatttacia agataattgg 360
gctcatactt agcccatggg ctcgaaatat accctaaggc tcatgagaac cctc 414

<210> 35420
<211> 478
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35420

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gaaattgaag gaagacaaag ggagagaagt tgaactctga gttgtgtctc acaagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240
agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
cttaagaaga ttcctaaaga agctaaagct tagctacaca tacctctcta atagctaagc 360
tcacctcctt gagatgagaa gctagagctt agctacacac ccgctataat agctaagctc 420
accccatga gaagaaacat gacaataaca gagaaagtcc ctattacaaa gacaactc 478

<210> 35421
<211> 342
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35421

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atataacgaa acgctcgaaa ttgaatgctt aagctctgag ccaattctaa cgataataac 120
tatctactcg gatgtccgat tgagtctcat aatatatcga cacgctcgaa attgaatgtc 180
gaagctctaa gcctattcaa acgacaataa cgcttctact ggatgttcca ttcagtgcg 240
taatatatcg ggacgctcga aattgaatgt tgaacctttg agccaactca tacgacaata 300
actttttact cggatgtctg attgagtcgc gtaatatatc ca 342

<210> 35422
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35422

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 gggactcaat cagacatccg agtaaaaagt tattgtcgta tgaattggct tatagcataa 120
 acattcaact ttgagcctct cgatatatta cgggactcaa tcagacatcc gagtaaaaag 180
 ttattgccgt ttgaatttgc tcagagggttc aacattcaat ttcgagcgtc tcgatatatt 240
 acgggactca atcagacatc cgagtaaaaa gttattgtct tttgagttgg ctacagagggt 300
 caacattcaa tttcgagcgt cccgatatat tacgtcactg aatcggacat ccgagtaaaa 360
 agttattgtc atttgaattg gctctgagct tgaacattat attacgagcg tctcgatata 420
 ttacgggact caatcagaca ttcgagataa aagtattgtc gttgaattgg atataagaca 480
 acattcaatt cgagcgtctg atatata 507

<210> 35423
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35423

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 gatgacattt caggacctcg cattcttgcct ctctctctct cccacgtaag tttctcctct 120
 ctctctttat tttattttat caaaatgggt gggattaggt ggaaaatccc attttcgtag 180
 gccacatgt gtttttctaa tgggagttga taatgggtccc tactaaaatt gctattggctc 240
 cttacaaaac tntaaaattt gaggaaaagg ccaatttacc ctctattcag aactccacc 300
 cctccttccc ccttcttctt actattgctt atgttcttct caaccccatg ttaaatatac 360
 aatggaaata caattctatt gtaaacttcg ttaaaaaatt aatacacaac gcanacatga 420
 tttt 424

<210> 35424
 <211> 482

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35424

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 atgaaagaaa gcaaaacaag aatgaattga aagcctcgga tttgaacact taccggttga 120
 agaccgaagg acgaaccaag aacagatgaa gaacgacgga aaatcttcac aaaattgctc 180
 acagaaaactg tagacaaagg atcaagctga aagttttgat gatgccaaag gattacatga 240
 atcacatgct tctcaaagat ttactcaaga caaagcaatt agagatattc aagatggatg 300
 atcaagacag tctatagagt cttagaaagg gtatattaaa taggaaggga attccaattg 360
 aagtagcaca aggtttggcc aagaattnta agttanaaag tctttctcaa canatntact 420
 ctctgngtaa tcgataccag aggatgtaat cgatttacca gtggcanaac tgatttacia 480
 ca 482

<210> 35425
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 35425

agttccaac ttagagatag agatcattgt aaaaggaagt tctggggtaa aaagtaacta 60
 taagcaatct acggtgagct tatccagcga atcaaaacag gaacaagaac atgtaaaaaa 120
 taaagttgaa aatcaggggtg ctggtaatat tccaagatac ttgaatcttg aaccatcact 180
 tgcaatggat tggcttgaga taccatggga tgatttgcca atcaaagagc gtgttggtgc 240
 cggcaaattt tctgcttctt ctgtttcctt tttaaagaac atgactgata tgccaaatct 300
 taatactctt cgctatgtgt aggatcattt gcgactgtgt atcgtgctga atggcatgga 360
 tcagtaagtt ttgaattagt tcttctttgc tgaattctat gcatgtacia gttcatgaat 420
 att 423

<210> 35426
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35426

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 aaaattcgag gatcaaaaacc aatgaaaaat aaagattaag ggccaaaaca aaattthaatc 120
 aatthttttta gaacccaaaac atatthtaatc gtataaatta tthtaaaaaa cthtaaaaaatc 180
 atcaagacca taataaaaaa tthtaaaatta cattthaattc taththtaaaa aaatatatat 240
 gthtaagcct taththaagtt thtgcccacc aaagaaaaat gthaatgtga gthttatcta 300
 tcatcaatth agccctctat tgttgaaacc aacgatgtha atthttatgat tgaacaatg 360
 gtcttgcttg aactaatta agaaattaan agagatacaa thtatathaaa aattatgtga 420
 gagcaatggt ataataatcg atthcagttc 449

<210> 35427
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35427

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 thttggattcg aatattacct cthcaccatc agagttgaca gtatcatcta gttgagagtc 120
 ctcacatct gaacttggtg ccagtgttag gtctactthg ctggtggaca catcagccat 180
 tagacatagt ttggcttggt cctcactgtc ctcacaaat gagggatcgt ctaagtcac 240
 ccaagtgtc aggaggctct tctthtttgga cthgaagaat tacatcttct tatctgttgc 300
 tattcaaggt caagatath caacttcaag tgccctgngt tcttgcactc atagcaaatg 360
 attggaatth tctctthtct gtggaaggat cthttggaca atth 404

<210> 35428
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35428

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 gcacccatat acaatcaagg cagctccgtt acctagatta thtacacgta thtccaaggt 120

gtatttggtta cttacatcac acacatctcc ttggctaaat tcacatacat gcatacccaa 180
 agcatttttg ggtaccaaaa attgcacatg tacacctctt ggtattttcta atacctatac 240
 atacacaaaac tttatgatga atcttgacta tctacacaat aagggtgtac atttcatgct 300
 cttttcaagt ttttgctacc taaagccgca tgcaaattcc agtatatttt cttttgctga 360
 ctaacattgt attcaaatta aaagggtatac atcttttgat aatgtatctt ctttacataa 420
 catgcaacac atttantgta tattntttgt gagacattnt gactaccana aattatatgt 480
 acataca 487

<210> 35429
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35429

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 aggttattga aaaagggttg agccattaat ttgttggttg tcctatgttt gtottaatat 120
 gcaagcttaa agtcataatt atgaatctaa ataaatcttt ctttggtgat attcatgata 180
 aagttaattc ttgttataaa cctattgaag ttatccaata tgaaattagc catgntgtat 240
 tatgtgatgc ttggaaagac aatgatgcta aagcccaatt agatcttgat caagctctct 300
 cttgcatgag actctctgga aggaaatagc tttgtgaaat ggaattgccca ttgtaataca 360
 ttctcatttc acatgactca agtacatcaa acatcaaaac ggtttctata cttcgtaatg 420
 g 421

<210> 35430
 <211> 452
 <212> DNA
 <213> Glycine max
 <400> 35430

tgtagaaagt gtctgtgata aggtgaacat caagatcttt atccttacca attcttactc 60
 gttaccaat gttcaagcac catgttgcac ttgcaacggt aaaaatgtct tcaatcacct 120
 atactctagc caccatgtca gtgatatgat ccttgaagag gtcaacatcg agatctttat 180

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35435

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tgggtacctgg agatatgtcg cggggggtcag gagaccttgg ggacgtcatg tgggggtgcta 120
ttgccccaaaa ccaaacttga ccaatcccgga cccaaccgga gcatagtcgg tcagtggagaa 180
cctgtgatgt acctaagcat gcgagctcct gtctgtcaac agataaaagg aacaaagacc 240
acctagcaag gaggcttgtg gtaattggcc agctgtgaaa cttgactgat aatgtgagat 300
atgggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaatgctt aaaaatgaag 360
acaggagggt aagatgggtct ctgggttatcg attaccaaag cgtgtaatcg atta 414

<210> 35436
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35436

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gcataatata tcgcgacgct cgaaactgat caacggaagc tctacatata ttcaaattggt 120
catacttggt actcggacgt gcgaatcatg ggcataatat atccagacgc ttgaaattga 180
acaacgcgaa ctncgcagaa gttcaaattcg gcataacttt ttactatgag gtc 233

<210> 35437
<211> 367
<212> DNA
<213> Glycine max

<400> 35437

agcttatacct tatggccttgc ctccggactt cactccccgt gccaccccag aagatctaag 60
ccaagcccct actttcgagg ggcagctccc accttatgac gactatcccg ggcaagacga 120
tgaggaagga gataccatc tcgggtccct gctccacctc aaagatctgt cccccatga 180
actaccccaa ccaaacatag tccgccatat cccgacttca cccacactcg taaaagaatc 240
tgtttccttc gtggaagata aaggaaagat tgacgtgctt gaagagaggt tgagagcagt 300

ccagggcctc ggcaattacc cattctcggg tctagcggac ttatgtctcg tacccaatat 360
cgtcatt 367

<210> 35438
<211> 397
<212> DNA
<213> Glycine max

<400> 35438

cccttaggca cttgtctatc tttcgaatat gcttggacaa actgctgccg tgaagaatat 60
ccaagccgag gcgctttcga aatgtttgcg taacgttgtc gtgaggaatt tctcgaaagt 120
ttcgaccgtt cttcgacgct cttcattcga tcttcacgtt tcttcaatct tcaacgggta 180
agtacctga accaagcttt tcgattcatt ctatgtaccc gtggtggtcc acattgtgta 240
tcgtgaattg ctattctgcg ttcactact tggtataaccg ctttttgacg tgcttaacgcc 300
atattatata catcatttct cgcttagcct gataataaga taaatttcca ccgacgctt 360
gaattgtatt atccgctaac tacggcttat atgaatt 397

<210> 35439
<211> 419
<212> DNA
<213> Glycine max

<400> 35439

agcttccgtc tggttgaat ggaactgcta cggaagattc agaatttgca ccttctcact 60
atcagctgcc aaaaacagtg gtgaacacct agacttggtc aatacatgga ccatactttt 120
atctctttgt aaaatgactt caaccacatt aacatctcca ctatggacag cctcatgcaa 180
aggagtgtcc ccaagatcat tcactcttat tgctatcttt ctatctttca tcacatcatc 240
atgtgttgac ttcactaatg catatttgta aacaatgacg ttgaccatag tcgtgctctt 300
ggaactcaac acaccatgaa gtggagtgtg acctcttaca tttcccctaa tacgaagtgc 360
atgatagcga cacgacaatc actctactat cttttctgtc ccttaactgc tgccacatg 419

<210> 35440
<211> 368
<212> DNA
<213> Glycine max

ttcctgtgcg taaaagaatt cgccaaagac taaccgcctg aattcttttg tgtctccctt 240
ctcccttgtc aaagaattca aaacgacaca ttctgagaat tctcttgatt cgctcccttc 300
ccatatacgc atgatctcaa gggactaatc gcctgagaat tcttttgtat tctcatgcac 360
caagatgcaa aggtataacc gcctgagaac tttgcttata acattgcagg gacatccctt 420
gtggtacaag tagagcgcac atcttcttgg gtatgactga gaacaatata cactacatcc 480
tcttgggatac atctctatcg gaatgtcctt ccactagatg tccaatagaa catgtatgga 540
cactccttgg cctccttttt gaacagatcc tcaagtagca aaaatactac tc 592

<210> 35443
<211> 423
<212> DNA
<213> Glycine max

<400> 35443

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atatatatat atatatatat atatatatata taacgataat aataaacaca tcatgagata 120
aagaattata tatataacta cataaaagta gttaaacata ttatagacat tagatatata 180
tatatatata tataaacata gacttatata tatatatata tatgtatata tataatatag 240
ataacaacca caagggtata tacatatatg ttaaattgcat tctaaagaag atatgaaaat 300
cctacagtga gagacaatat cttgattttg agcgcgtgag catcatcacg gagaattaat 360
ataatttttt aagagttatt tcaagaggta aatacaattt gagagaatct atctgtggca 420
gcg 423

<210> 35444
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35444

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gaggaaagag gtatgcctat gttgttgtgg atgatttctc cagatttacc tngntaaact 120
ttatcagaga gatatacat accttctgag tattcaaaga gttgagtcta agacttcaaa 180
gagagaaaga ctgtgtcatc atgagaatca tgagtgacca tggtagagaa tttgataaca 240

gcacgttcac tgaattctgc acatctgaag gcatcactca tgagttctct gcagccatta 300
caccacaaca gaatggcata gttgacagga gaaacttgac cttgcaagat gctgctctgc 360
gcatgcttca 370

<210> 35445
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35445

agcttgcac tttattaata tagttaataa aaataataac tatacaggag ctacgcctct 60
gttttactac aggtatactt tgatttaatt aatttttcca ttgtttctag tctaggaatt 120
aggatataaa catggttcta aaaaaagtat gtggccatca atgtgtgtag atacactcta 180
agattgtaag gagaggatat atatttgatt ctaaaagaat atattatggg gaagataatt 240
ggagatccaa ctgaaaaacc acaaaatatt aattactgtg ttaaggatgg tgcaaaacat 300
atatggtgat tacaatttac aaccattnga attaanagat aattaaccat gtataaaagc 360
tataatacat taagagaata ttaat 385

<210> 35446
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35446

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tgtggcaatt gtcttgaatg ttttagacta ngcatgtgtg tgatatagtc taagtctttt 120
taatacttag ttttgatcaa atgtaaagtg aatgaagtat tttatttctc taagtttctt 180
aagtacaagc aatagaactt acttctactt gaaatttggg tgtaaccatc gaattaattg 240
attgcctagc ttggtaattg agtgcctaag ccagattcaa aagaaggaag gatgtatagc 300
ttaggataat tgactgctct gtctctggaa acaatgagaa gttctctatg tgattctaca 360
atctattacc acatgtgaca atcaactacc cagagagcac agaagcaata gagatactca 420
aactgaaaca cattaatcaa ttaccctctc tataatcaat tatccaattt ctggaaatgc 480

ataataaac 489

<210> 35447
<211> 403
<212> DNA
<213> Glycine max

<400> 35447

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ataatcattc acttgagttt gggtttgaat atttgtggtcg ttggagaatt taatgttggt 120
gttaaataca catctttctt catgctagaa aaccactctt tttagcttcc ttgaagaaca 180
cttcaatagg aaatcacttg ctcttcatca aagtaggtct atcacaacaa gatgcatctt 240
ttgatgttct tttgaaactc caaagtgggtg aacttcattt attcttcatg agattcgaca 300
gaccttagga gaatgtcttg tcatacaatt cttataaaac aaatcttaga cactaactat 360
tatatgaaat cttatatgct atattagatc ataatatata tat 403

<210> 35448
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35448

tataccanat attatatata ttagtggtat actcgtatca atcaaaactta gaattgaagc 60
tagtgcagcc aaataatatg tcatgtttgc cacagaagtt ctattcatgg gctttttaa 120
aggtattaga aatagtgaca aattgtcttc tatctctgaa taaaatcatt tgacatttag 180
tcatttagat tatgtgtcta ttattccatg ctccaataga tcaaaagtca aagcactggt 240
ctcttctttt ataatctaaa ctacacttct ctctcaaact tccatcagta tgcatgcgac 300
ttgagggtca ttgtcatttt atgaaattgc cgctgagttt cacactgact aatatgaaga 360
cttggtaaat aacatgaaag ttatagtgac caacgtctcg atgatgtcta agacgattct 420
gaggacgaac atg 433

<210> 35449
<211> 426
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35449

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agcttgcaaa gttagaaata tcttgtttga ttccgatgtt gtgaagtcaa ggaaagattt 60
ttctattgcc atgatgaggt catctatagt tttaggagcc tctttgtgtt gtaatgactg 120
aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
aaccaatcga atgtcaaaac cgccttcaact agcagcttaa tgggaagtcgt tgtcatcttc 240
atcaatgtga catggagcat tgtcttggtt tatgaaaata gtctctcctc tatccnctat 300
tggccatttt gctttgattg cagacaacac atgatgaata agaanatgtt tgcttacttg 360
tttaattatt gaagatattg gttntgttcc atagtccctg tatctcttgt tgcactcctt 420
ctcttt 426
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<210> 35450

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35450

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aagtgaaca ctcatgggt aagcgcaagg aagaatctgg aagaagatga gctatacagg 120
ttcgctaagc gcaccatttc atctcactaa gtgcaccact tcagtccatc cgtaagcga 180
gaaaggcacg cgctaagccg aaattcacta atgtgcacta agcgggtccag aattgtgcta 240
agcacacgag cacgaacaag gccacttatt taagcctgaa atcagatttt aaagggggag 300
tttgaactgg gattcagaga ttntcatgtc ttgagattct agagagagaa aggtccaagt 360
tccagagagt tntgagagat tatgttgtgt gaagaatggc agacaccata gctggaagca 420
cgagccgatt tgagagctcg agatgagttt gtgagtgatt gtgagttcct a 471
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<210> 35451

<211> 376

<212> DNA

<213> Glycine max

<400> 35451

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 taaaaagtta ttgtcgtttg aatttggtca gagcttcgat aatctatctc gagcgccctcg 120
 atatattacg ggactcaatc atacatccga gtaaaacgct attgtcgttt gaattcgctc 180
 agagcttcgg tctttaatat tgagcgtctc gacatatgtc tggacttatc tccacttccg 240
 agtaaaaagc tatttgggtt tgaatttggc cagaacttcc ggattcaaatt tcgagcggca 300
 cgatttatta cgggacttaa tctcacatcc gaatcaaaat tattgacgtc tgatttgcca 360
 gaacttcggt attcat 376

<210> 35452
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35452

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 atcgagaagc tcgaaatgga ataccaaagc tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tcttattgag tcccataatt tatcgggaacg ctcgaaatag aataccgaag 180
 ctttgagcaa attcaaacga caataacctt tttactcgga agtcggattg agtcccgtta 240
 tatatccaga cgctcgaaat tgaatgttga agctctgagc aaattcaaac gacaataacc 300
 tttatactca tatgtcggat agagtcccgat aatatatcga gacgctcgaa atggaatacc 360
 gaagctctga gcaaattcac acgacaataa ctttatactc ggatg 405

<210> 35453
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35453

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 cataagttta tgattaaaaa aaatgttggt tagcatgacc tattaggtca tcccatgtca 120
 actataatgt ggaaaatatt taaaaattca tgtggacatc catggaagag ccagaagatt 180
 cttcagtcga atgatttctc atgtactatt tattctcaaa ggaagtgggt aattacacta 240

tcaccaagaa aaattggaaa tgagtctatt ttatTTTTtag aacggatata atgtgatatt 300
tgtggatcaa tatattcacc atatggatca tttagatatt tcatgatgca tcaacta 357

<210> 35454
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35454

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ccaggagtgg ctccgtttgc tttctgtctc tttttctcga agctcgtggc ttacactntt 120
ctgtactggg tgcccttcta cataaggcac acaggtaatc attattatta tattacatga 180
aaaattatga tatatataga gttgcattgc cttttatcta acatcagcat gttattcata 240
tgcaagaat ttattactag tgtcttcata ttcctgatat attgtctcaa gggtttgtca 300
ctacgaatth ggagtgcctg tttggtagga ctgggatgtg atgtgtcttt aggcagatat 360
gaatctgtgt gacaggtatt gcatggcggg ttattagcat gtatgggtgca atttgaatct 420
ggagaaataa ttgtatatth tcacaagctc tctcagcta 459

<210> 35455
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35455

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ggcataggca aaagatcaag aggagttagt ggggttaaaac cataaacaac ttcaaaagga 120
gaacaattag tgggtgctatg aacagctcta ttgtaagcaa attcaacatg gggtaaacia 180
gcttcccaag tttttaagtt cttcctcaaa actgtcctaa gcaaagttcc caaagtccta 240
ttaacaactt ccgtttgccc atcggtttgt ggggtgacaag tgagtgaaaa taacaattta 300
ntgcccaact tgctccacia agacctccaa aaatggctta cgaacttaga gtccctatca 360
ctaacaatgc tccttggaac accatggagt ctcacaatct tcttgaaaaa caaatcagcc 420
acatgggaa 429

<210> 35456
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35456

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 acaaagggag aaagaagggt gtcttcgaac cgggagattg ggtttgggtg cacatgagaa 120
 aagaaagggt tccggaacaa acgaaatcaa agcttctacc aaggggagat ggaccatttc 180
 aagtgttga aagaatcaat gacaatgctt acaaagttga gctgcccgtg gagtataatg 240
 ttagttccac cttcaatgtc tctgatttat ctctttttga tgcagatgga gaatccgatt 300
 tgaggacaaa ttcttctcaa gagggagaga atgatgacga catgttcaag agcaatggca 360
 aggatccact tgaaggactt ggaggaccta tgacaatggc taaagcaagg aaagcaagga 420
 agctcttcac aagtgtgtgc atactatatt 449

<210> 35457
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 35457

agctttatgg tatttatcgg gatgtaaggc gggagatcga tctcccgatt catatcaaac 60
 cccatgtgtg ccaaattacc ttccaagtaa tggacttaaa tcctacctac aactgcttat 120
 taggccgggc ttggattcat tctgttgggg tggttccgtc aacactgcac cagaagctaa 180
 aatttgccgc ggaggacat ttgattatag ctccgagaga ataagacata cttgctagtt 240
 gtccatcttc aatgccttat gtagaggctg cagaggaatc attggaaaca tcctttgaag 300
 cattagaagt tgtgagcaat gcttacgtag agtctcctcc actgcagccg tgctcatcta 360
 gtgcactttg atagttgtc aagtgatgtt agggcaccga tattat 406

<210> 35458
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35458

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 taatcttgga actcantggt cttgctgctt ataacctcaa actgactgat ggtgcatgta 120
 atcaccatcg tttctattag attcttgctc aaactgtgtc attattccac caaggaggac 180
 ctgattgtgc cctagccttt accagttacc accaattggc aacaaccctt caatactcct 240
 ttagtgactt tgagcactca ttacgatcct gacttctctg acttcgagct gtaagtgttg 300
 gtccatcggc agggatcatc actcgttgat acttaatggc aagactggca ctatcataaa 360
 tacacctatc accttggtgca caagtgactt tgcacattcc gcaagctgag atgacgacct 420
 tatcctgcat tagataggat catctctggc ccttagacta atctacgcgc gcatactctt 480
 aattttccgc aaaacgac 498

<210> 35459
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35459

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 gaatagaaaa gaaacttaac caaaagtaaa agcggaatt aaagtgcata gtggaaatta 120
 aaagagttgg gaagaaggag acaaacacac aagagttttt atactggttc agcaacaacc 180
 cgtgcctaca tccagttccc aagtgacctg cggctcttga gatttctttt caaccttgta 240
 aaaatccttt tacaagcaaa gatccacaag ggatgtacct tcccttggtc tctttgaaca 300
 acctagtgga tgtaccctcc actagaactg atccacaaga gatgtaccct ctcttggtct 360
 cagtcaacaa cccaagtaga tgtaccctct acttggaacca canaggatat accctccaat 420
 gt 422

<210> 35460
 <211> 485
 <212> DNA
 <213> Glycine max
 <400> 35460

ctgctctaga cggccaagg tagttatcga acgggtggag tctaccatgc ttggagtgc 60

caatgaaagc accaagttgt tgtgaccctg cacttagcct agaattcgag gttctagggc 120
 ctccacaaga atatgagggg aaaggaaatt gtttgtatta ttcactcccc atcagaatta 180
 cataatctcc tatttataag cttttcatat aaattctaga atgaaataga agatacaatt 240
 ctaacgggttt ctgggtttct atgccttgaa ggaaagctag gaatatactg atattgcttc 300
 agagaatcct ttctaacggg ccaggatctt tggagaaatg cttctagatg gtggtgacct 360
 ggctcttgat gcttactatg attattttgc aacataatcc tccaagtatc tcaggttaat 420
 acctctttct tttccttaca taacttctgc attgtaccct gatgcttctc tgtgcatatc 480
 aaata 485

<210> 35461
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35461

agcttangtc atgggttcagt gtatggtttc cttgagcctc ggcctataca caatactaag 60
 gatagacgtc aagaatgtca tcattacatt gaagcatggg tgaaggattc gcaacggcaa 120
 ttgtacttac gagcttactt gaattagtaa gttaaaatta tgtagtacat tctaaaaata 180
 tttgcattat aagtacctaa ttataattgt caactttagg gcacattggc aacttgttgt 240
 tctgtgtcca cgggataata ttggtgtttg gttttgttct ttgtgaaaga agcctgatat 300
 taacatcaaa gttgcaatta acaagtcttt taataattta taattgattt agcgtataac 360
 tattgtacta tgtcaaatgg attgtgatgt tatatatgtt tat 403

<210> 35462
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35462

cggccagana caacctatat actattatat atatttcctt ttgcatatct ataccaataa 60
 ctaanagggg tacctctttt gataaccatc ttttggcttc cattttttaa atgattattt 120
 tactcttcaa aacttacatt tttttattca tgtaaccacc catgttatat aaattgttca 180

ttgaagtact tactttatgt aaattgtttg ctttcttcaa gacacaataa ctacctatat 240
 tttcattttt ttatgaatga agccacaaca aatgttctac actgtaattt gtagtaagtt 300
 gtggcacaac aaggtagaat ggcagcggca taggcaaact gtgacagtgc ggagatggac 360
 aacgcatagt cctattgtag gagcctcaag gagaattacg agaatatgtg aataaatatt 420
 gtcttttacag tt 432

<210> 35463
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35463

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 tctcacattn tttctatcca acaacccaag agtccgatgg catgcggagc caccttaacgc 120
 ttatccgcac ctctcattc ggagacccca agttcgatga cacgcagaga ccaatgtggt 180
 aatctgcacc ctttctcgag atgtcagcgt cttccggtcg agacaatttt agtctcacat 240
 ttttgcatac tggcgaccta agagttcggg ggcttgcaga gaaaccttac gggtatttagc 300
 acctcgteat tcggagaccc cgagtctaata gacacgtaga gaccaatgtg gtcacatgca 360
 ctctttccgg agctgtcagc atctttccggc cgagacta 398

<210> 35464
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 35464

cctcattgtc tctcacagac tttagaattg ggagcaaata caatccttgt gtccggactc 60
 tcagtcactt atggtagccg ccgatgatcc cggtactgct tcccctaagc tctctgtgct 120
 ttcttcacac cgcacacct gccttgcgaa ctccctggag tacctttgca tttgggtcac 180
 tgaaacctcg tgtcatgaaa ggcgtgatgc tttcgtctaa tggcgctcct ctcatggggt 240
 agccaagctg tctcatggcg aggacggtat tataattaat acaacctctt gttccatcaa 300
 gggaacattt ggacatcctt cgcatagaaga tagaatcctg aatcttcctt ccttctagcg 360
 aggaaccaa ataacaaacg cctctctatg 390

<210> 35465
 <211> 568
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35465

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 accaaannnn nnntgttgcg tcgtctatca cacggcgaan cgactcgtac ccgggacact 120
 atagatcgac ctgcagcatg caagctagtt ctaattctac ctaactcgcc aagctatcgg 180
 gaggaacttt gtgactctta ctacctacaa actccttttc tctttattaa gtacagctct 240
 gatcgaagat aaccctcact aaactggccc ttatcatatg cttctgagaa gatattaaag 300
 tcacgtcact atcatctcta tgactcttca cgggagcaac tgatcaaggc acacaatgcc 360
 cagctctttt cacaaggaca gttatttatt atgacatgga ctaactgata ctccgcatcg 420
 acaacgaaca caaatctagg acgaggtcac tataccactt gtagtacata gagatctgct 480
 ggagaaacct tggataataa ctaagttact cttaacacag caagcccaga tgatattcat 540
 tggcacttct caagataacg cggacacc 568

<210> 35466
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 35466

gtggagcttt atggagtgag acaatagtgc acttacactg caattgaaga gcaggggagc 60
 acctatggat atgagacctc ttgctgtgaa aggggttgca gatatggatg cagaccatga 120
 actgcttcct gctggaatga tctttggcta accaaagaaa ctcatgtaca tgatcatgct 180
 gatgctatat gacgcaatgc ttaaatecat atacacgcct acacatacag tgcaaaatat 240
 at 242

<210> 35467
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35467

agcttttcat atggataaaa gggtcacatt cactttcttc tacatcatat tcaaacttgt 60
ccaaataaat aataaagtca tctcgactca cagaaaatca tataagtctc atacaattaa 120
tatagaacct atatccta atgtcacatcct atcagagcgt ggtgtttcca tgtcctctag 180
cacgaggatc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 240
catcacagga tccaaacaca acaacacaca gggagtgagt tatcacattc ctagctaata 300
gagaaacacg acaattaaat atacatatta tataaatgag ataccacttg cttaaacata 360
gtcacgtaa cttcaccact tcatcattca naattcactt tgcaattatc aatcacatta 420
cacaag 426

<210> 35468
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35468

ccgtatagtt tatcaattca actcgagatt tgatataaac atccaaattt caatgtttcc 60
ccaatgttga tacagaataa cagcgatact cattntaata tacagagagg gacatgctat 120
gatacggcaa tgatataaga gaatatggca aattgcaact tataaattaa tttaaaatta 180
agtttaata tcatgcactc acaagtttaa tgggtcaatca atcataaatc tttattaata 240
tataactttt aaggtataat ctattttctc tttaaaatta atttatttcc tttttaaaaa 300
taaattagaa taaaagttca gattataaga gaattcatat tctagaaatg aacataagtc 360
aatatataca taaaatgtt aaaacttata taattagat gagattctaa tttatatttg 420
gatacaagtt aanaaagtat acgtagaaaa ttatgacaat aacataacag tatccata 478

<210> 35469
<211> 423
<212> DNA
<213> Glycine max

<400> 35469

agctttaatg tccctctggt ctttacacca ttgttttata gtgtatctca agttcctcaa 60

<210> 35472
 <211> 401
 <212> DNA
 <213> Glycine max

 <400> 35472

 ttcgagtgcc tgtatattga tgcgcctgaa tcggacatac gagtgacaag ttatgaccat 60
 ttgaatttct cgagagcttc ctatgtttaa ttttgagcgt ctcgatatat tatacgacctg 120
 aatcgaacct cagtgtgaaa agttatgacc atttgaattt ctgtagagca tccgttggtc 180
 attttcgagc gtctctatat gtgatgaacc ttaatcggac ctccgtgtga aaagttatga 240
 ccatttgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgac atattatgcg 300
 cccgaatcgg acatccgtgg gaaaagctat gaccatttga atttctcgag agcttccgtt 360
 gttcaatttc gagcgtctcg acatatgatg cgcccgaatc g 401

<210> 35473
 <211> 385
 <212> DNA
 <213> Glycine max

 <400> 35473

 agcttggttg tgctgctcca cagagccctt cggaacttgt ttcagccgtg ctcttcccta 60
 cgagccctct tgggctgttg ttogaaggct ttggctgttg ctatatttat atctctcaga 120
 tcggcattct ctttcggat tctcagagat gctgatttga acctttcttt gactgtttgg 180
 gcttgctcga gttctgccct aagggcctgc acctcttcgt ctttcttcgg tgccctcaact 240
 tcttcccttt tagcggttct catactcagg agccaatcca attcttgac gtgggctttc 300
 aaccacttac cgtagccact gatgggcccc ttgttaccgc cctgacgtc tttgtccctc 360
 ttttgcacca cctcccatgc cttgc 385

<210> 35474
 <211> 477
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35474

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gattagcgga agctctagag aaattcaaact ggtcataact ttccacacgg aggtcctatt 360
caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaacttaa 420
atggccataa gttttaactc ggatgtccga ttcaagcgaa tcatatatca a 471

<210> 35477
<211> 432
<212> DNA
<213> Glycine max
<400> 35477

agcttataga gaataaagat aagggtattg aataagctta taaccatgtc ccaagagatg 60
cattgtggac gactctggag aaaaaaggcg tggcactatt tttttttttg ctcagcaaaa 120
atataatata tatatatata tatatagact agtaccagtg gtactgaaat tacataggaa 180
tagaagtga tccagctatt ccaaaaaatt gagaaagagc tggagacaca aaaatgtgtt 240
acaagaatcc acccacaccc gcccccccta aatacagaat ccttccttca gattggagga 300
ccattgggta aagcgtatag cgaaatcctt gtccattgct ctgttccaag accatagtag 360
gagtaaagca tcgtcgagca gcttacaacc atgataagtt ccatttttga acaccacctt 420
atttctatgc tg 432

<210> 35478
<211> 629
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35478

cgctctctc cgancgctct acttacatan tactatgtat gtgtagtnat ttacantaat 60
gnacacactg ttatcacacc nncatccctc agcncgnngn cctttgatgg tagcaatcca 120
tcngatnncg ngcaannann aacctcgoga cctgnctgaa tctatgtctc tattgacgag 180
gttatcta ttttaggct gaaaagagat tgacgagaga gatgaagaga cgaacacaca 240
ctgtgctatt tggaacgata gtacaatctt ggacacacaat attatgtgca aacagcatgt 300
gcactccata gtccattgat aatacctgat ttatcgatga caatcatggc aaatgcactt 360

ggacctattg atgcacctgc cataaagaat ttccaccttg acatgaatgt caccagcatc 420
 tttatgtatg aaataatata ttaacatact tattctgttt actctgaata tgattcttat 480
 gtattgtggg tgtgcctaaa tctaactcag gatagcatat cgatcgatac tggatgcaag 540
 aatcacacgt caactctctg ttaatgactc cttcggtcac agcatatgat gtatgcaggc 600
 atcataagag tcacaccttt taatatton 629

<210> 35479
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35479

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 ctcttttgtt ttgtaggttg caagtttgtt tatatgtggt ggggcacatg attctggcta 120
 ctgcattccc acagaagata caacacatga agtgaactac atggggaacc agccaagacc 180
 aaactttaat gcaggtggat attctggatt ttcacaaggc cagcaatata ataagcaaca 240
 gggacaatgg agaacgcacc ctggtaatca gttcaataaa gactaggggt ggccacctaa 300
 caggccacaa caacaagggc ctagtctcta tgatagaaca acanagctgg aagagactct 360
 tgctcagttc attcaagtat ccatgtccaa tcanaagagc acaaagtcaa ccaactcgaa 420
 gctttaactg aa 432

<210> 35480
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 35480

attctcattt gaagttggag tctctgcata tatctttgac ctcacaggga ctccgatatg 60
 gttacagctt ctaatgttat gagtgggttg ctcacacctt ccacatgtat agccagccaa 120
 taatctcttg agcctatgta ctatgagaat gacctcatct gcgaatctac ttctatgcat 180
 ctatgcccta tactatatgg acccaatatg gcgtgcacta gtactggttc aataagatga 240
 caggatgtct tattatgagc tggctctgac gcgtcactta tgacgcatgg cctcaggcat 300
 gacatctttg tgagctagtg gtgctctggc atgtcaagat gtcaccccta catcaaagtt 360

gt 362

<210> 35481
<211> 370
<212> DNA
<213> Glycine max

<400> 35481

cgaaccgagc tcggacccgg gatccctagg tcgactgcag catgcaactc agcttttatta 60
tcatattcgc tatcactcac ctttcgatgc gggaatatct cactttctctg atgacaatgg 120
ctttaaggag ttagcccaact tcttctctga tcagtcttca tcattcttca cccttcttta 180
tcttcttttg tgataccggg ttcttactag ggactaatga caaacctgtg gcacataatg 240
ctacggagag attcccacat gccagaagga cgcacagcac acagcgtgctg tctcctgcgt 300
acacatcata tatgccactg cgctcatgtc tatcgaaatc cctattgagc tgactacact 360
actcatgcta 370

<210> 35482
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35482

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gttttaaaaa ataattaact aattaaatta ttttattcca gtatactatt taaatataaa 120
aataaagaaa attaattaat taattaaaat attttaaaaa taaaagtaat taatttttgt 180
tatattttta attcttttga aactgtaaaa ttcttagact acaaacacct aagacaaaga 240
gaaaagacaa ccgacaaatg ctctaagtct tatccctaaa atcactgaat gaacggagtt 300
gcctgtccat tggtgtttta ttgacttaca actggcatac actcttgcac gtaaaacctc 360
tattatcatc tctgtaattg gacttaacct ctgagagttc tagtgaatat ntatgcaatg 420
cttaagatc 429

<210> 35483
<211> 243
<212> DNA

<213> Glycine max

<400> 35483

tatgcccact atgtatattg ctagaatatg tatgagcata aggggcgcac aatttgtata 60
 ttcttgcgat cgactcagaa acatcatatt acatattaca aagactaatt ctagatcata 120
 ttttaattata catgagaata atttctatca tacgatacta agttaacttc ttctagtact 180
 ggaccccatc tctattctta tctactctat taataatata ctatcttata cacactatta 240
 ctt 243

<210> 35484

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35484

agcttttagt tcctcccatt aggttcctaa aataagggca cggagcaaac acgctacgtg 60
 tttgtttcct tgatattgcc atgcatatct ttgcaatgtc atgtttgtgt gtgtctgttg 120
 tgttattatt caatggcatt accatgcttg ttcatctagt atatttatgt tttgtgctat 180
 caactgcatg ctcttgcgca tgtatatcta tattgcgtcg tcacttatgc gttgcatttg 240
 tctcgtcatt ttgtcacggg aagttggaag gtccggatca ccttcttaaa tgcatacatg 300
 gggcactatg gtaatgactg canatgaacc atgatgctcg aatgtttgtg agtaagaaga 360
 gatgatcttc cgagctcttg tgtttgaaaa tgcatttgtg tcatgcatgg cataagcatt 420
 cttca 426

<210> 35485

<211> 410

<212> DNA

<213> Glycine max

<400> 35485

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 tccttctgat tccatttgtg tatttctgac tttatggcat gagatgaacc acaaagattg 120
 ctctcttctg tagatgatat cgctaaatag tttatacact cgtgcatgag tgatacacga 180
 gccgtgagaa ttgggctaag catcattcta tcatacccta gtaacgtctg gagaccattg 240

<400> 35490

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ctgcttacgt ggacatgtcg tcattgttgt tggcgagacc ggctgagtct ggtgacgtgg 120
agagagtcgc caatgcttct ggtgatatat gttgcaggag tggttctcgt cactggaaat 180
ggcgagactg gtgtcggcgg attctctttt cctttaaata ggcagccttt gccttgaaaa 240
ttttagtag tcttgataaa agaaagcaca gaggagcgtg tttaatcaag aatttacaag 300
ccttactttc attatctcta gatagcccag cttttgcctt gaagcttctc attccatcct 360
tatttatttg aagcaacaat ttatattggt gttcagtc aaatttatca gtcttgcatt 420
catt 424

<210> 35491

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35491

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cagagatata tattaagaga catgatacga gttcgattta gttatatcag atttgatttg 120
tatttatgta gatgagatct tttctatagt gtaattagga tcatatttct agtgccattg 180
tatctttaga attacctcta ttcatgtatc ctttttacag tttaatcaat ccgaaatata 240
catacttctt caattatttc ctccagtctc aaatatacca tgttgagtgt tatcagcaac 300
aaattttcag tataataaag tattactagc tatttccagt ccagttctat cagaatgtan 360
aagaagggag ttaagttctt acaacagcaa caacaccatc atatgagtta agcttcacat 420
ttgtcanaga agacatcaca tcaaatgcct ctctgtctct ctctgtcaca atcacctagt 480
aat 483

<210> 35492

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35492

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cattgtcatc gTTTTTcgt cattgaggTg ccacttgagc tgccaggTtc tccacctTtg 120
ggcgtattct ttgaaagatc cgtgCCCCct tTTTTtgca catatTTTgt agttgcatcc 180
tatccaaagc cattatactg acactgccta acgaaggaaa ccattatgtc cttccaatca 240
tgggctcggg aaggTtccaa gttagtgtac caggtaacag ctacCCCCag taagactTtc 300
ttggaaggaa tgtatcagca atttctcatc ttttgcgTat gCCCCcatc ttctgacaat 360
acatcttttag atggTtctcg gggcaagtag tccccTtgta cttgtcanag tccaacacct 420
tgaac 425

<210> 35493
<211> 412
<212> DNA
<213> Glycine max

<400> 35493
tctcacagaa gccacgagga agcttcttga ggaagcctct taatgaagca tctcaaggaa 60
gctacatgta gctgcctcgg taaaaacgct gccagtcta cgTtaaccgt tggatcttct 120
cataattTgg tttgcaactt cacaagatac tttaccatga tctgacagtt gggatctTtg 180
tgaacatttc tggagtgtgc gcgacgtTtt cgTtcccgag agcattgctc acttgtgcgt 240
tttgagcctt gtagaccaag tagcttatga ataatgccat ttcttctcct ttctttcttc 300
caaaaccatt ttcagcgTtc catgctgttt ctccgTcacc catagccacc agtagccacc 360
acaaaccacc attgttcttc gttgaaaccc cacaccgaga ggaacccttc aa 412

<210> 35494
<211> 407
<212> DNA
<213> Glycine max

<400> 35494
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aattatacat gaccctaaat ggagatgatg gcggatacaa aactttatct tgactgagat 120
taaggatgga gacgaacatg agagtgggga acgacatgca catctctgcc ttgtcccgta 180
gtcatgccta ttcataataa tcacttatat atctttTtgT taaataatta tagattTtga 240

tatgcttaag acacctttta ctctgttaat tatcttctat cttaatttca ttgagtggaa 300
 tggggatggg aacaacatac ccatccctgc cttattccgt tgtcatgcct attcacaatg 360
 atcactaata cattgtttta ttttaaataa ttacagactt tgattag 407

<210> 35495
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 35495

ctctagccag atggacttac cttgaattaa ttcccttggt atctcctatg agcctatttt 60
 cccctttctt tgttttgaag ctcatatac gcccttaagtg aaaaaccatg atatcacctt 120
 acccttaagg aatcttggag ctttgggaatt gttttgggaa taagctggga ataagtgtgg 180
 ggggtatggt tcattggaag atatgatttt tggccatgct taatgtttta ttttggccat 240
 gcttgatgta tatatatatt gcttagttct ttctttaatc ttcaattctg tactgttcaa 300
 taaaaaagaa ttcagttgct acaaattctg caatttcgta ctcttcatca aaagaagaag 360
 aagaagaata agacgacgac tataagtgat gttgaataaa taagggcttg atatgagaac 420
 ttgatttggg agccttggtt gatttgttga attagagggt ttgggttact ac 472

<210> 35496
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35496

tgcagcatgc aagctctgat ggctattcct acttgacttt cttttgcctc ttctgctatt 60
 ccacgcttan aaagggctca ctgacctccc tgagcgagta attgaagttt cgctcagtgc 120
 caaacttgcg ctaagcctgg aaggtgacaa atgactcgct gagcgagctg atgatgcact 180
 tagcgcagtc ctgcgtgaca aatttccttc caaattcctc ctatctgcta agcacgttga 240
 tgctcactt atcggtgac actcgctaaa cacattgagc tcgcttaacg agacatcaac 300
 tttatcattt cttcaaaata actccttttt gcttgagatt gaagagaaac tgacattaat 360
 atcatacaca aagcttctac tgagcacaga taataacaaa gccaaattta ttactatttc 420
 tac 423

<210> 35497
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 35497

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 agccaactct ccacatccac agatcacaca taaaccacc atcctcagtt gcccaccttc 120
 actgagctca catactccta cgtagccott agcctcgttc ctctcaacac tgagtcccca 180
 tcagatctct ccaagcttcc acaacatcca agcaattcaa catcccaaac atcatgaact 240
 atcataacca ttgaaaacag ggcagaggca gataactctg cccaacacaa accaatatca 300
 caacttttct cacttaacaa ccccagtaac attctcctcg ttccaattcg ttaaccgttg 360
 gatcgactcg aagatattac tggaagtctc tagcacataa gtctacattg tgaccgatgg 420
 gatctgctat atgacgtcca gaacacaatc tgtactactc 460

<210> 35498
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 35498

agcttccctg tggcttctct gagaagctat ctcaagaagc ttctttgaga agctatatac 60
 ttatctagcc acacccttct attaactaaa ttaacctgct tgaaaataat tgcggatgaa 120
 aaataacata acagataatc caacatctaa catagttact aatatatata tatatatata 180
 tatcacggcg ttacacgcc atgtggtgct atcggaggaa cctctaattc tcaaaactgg 240
 tcactatttc tctccaatac cacaagcttg ttccatcaaa cgcacggaat cgaattcgcg 300
 cgtggtctac tattgagcga cctgaatcaa gagtatatat at 342

<210> 35499
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35499

ttctcagaat actgatagtg cctccctaaa ttcaatacca agatcaatga caccttttaa 60
 accattttta ctgaattctg cattgtctct ctgcatcata gacacatatt cattgttgtc 120
 tattcagcca tcctaaaagg gtaaaacatg aaaacaaca catcataaat ctattntaac 180
 ataaataaga gcttatgaag gccacttatg acctatcacc taatacgagc ataaaaattc 240
 tgaatagaaa agaaagcatt gtttataatg ttggttactt ttcaatcata attctcaatc 300
 tgattagaac aagggttact tctacataat taccgccatc gatgt 345

<210> 35500
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35500

agctntntgg aagtgggaga tgtagaaaag aatgaatagt gaactgaatg gaagggggca 60
 cccacacgaa attttgagag ttggtcttgg gttatgcctt taggggttgaa attgggtcgg 120
 agacaggatg aggatgcgat tgcagcttct cttctacgat cctcttcttc cttttccatt 180
 gtctctttga tgttcacttt catctccttg catatggttt catcattggc tgttatattt 240
 tggagatctt ccctggcttc tcttaactac gtagtcattt ggtaatcgga atatgcatta 300
 ttgattcttc aatccccac cc 322

<210> 35501
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35501

tcccaatgaa aactgtatt gtacatngac tgaatgaaac ttgataatta tatatgttat 60
 agtgacctct tcaatattgt tatctatatt tattttotca cattctattt tatcacgcac 120
 taaaaatatt gtatcctaaa ataataatta acattttttt catattntta ttttctagct 180
 ttaattgatg tcaatacttt tcaccacagg ataaatacat atcaatacac atgagtcctt 240
 aacaagttaa acgatcttta tattgaccca agcctaattg atacaaggat aagtttacca 300
 acttttccag cacatgagan aggaagaaga ggaatgcttg gatcctgaac ccattgaaga 360

aaaggtgaga gaggctgata acggagagag aaaatgatcc

400

<210> 35502
<211> 429
<212> DNA
<213> Glycine max

<400> 35502

agcttatatc aaccacgacc aactgtccac gtcaacacta gtactggtag aggatctggc 60
ccacataaag aaaaattcca tagttacttg ggggtagtgg cgcgggagaa aatccctatt 120
gttcatgcta cttggaaaga tgtccccgaa actttaaaag ttattgtatg ggatgacatt 180
ttggtaagtc cactcaactg gtaacgagtt tacttttgtg tatatttaat gcctgtggaa 240
atgtgggttta tgcagttact gattgaaaag tatttattat tttaggccaa atttgatatt 300
cctgaagggtt taactgcgaa gaagaagggtt atgtccacgg ttgcaacaag atggaggcaa 360
tttaagtcct ccctgacctc cagatatcta tacactgaca aagacgatca acaaaacatt 420
gatccatct 429

<210> 35503
<211> 358
<212> DNA
<213> Glycine max

<400> 35503

atgatgttcg tgttgaacgc attacatgta gacataccac atgctttata ttatgtgcat 60
acagagctac atacatcttg gaaacgatac atacggacat ttgtgggcca tatcatagcg 120
cttcatggaa tggtaacaa tattctatat cattcataaa cgattactcc agatgtgcat 180
acttgattga tatacatgag aagtcacaat ctctggatgc gttcaaaaca ttgaaagtcg 240
acgtggaaca tcaactcaac ctttgaatgc actgtgtcag atctaaccgt ggtgggtgaat 300
actatgtcag atatgactgt tcaggtgaac aacgtccaga gcctatcgtc acgtacct 358

<210> 35504
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35504

agctntggag tttccaagtg ccaattcgtc ttcttcttta gtccagtctt cttctggctt 60
 caatccatca gtgggctttc cttctgagtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc caggttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180
 gtattcatag ttggttccat ccagaattgg tggctctgtc actggctctc cttctttctc 240
 catgttcac cagaatttat tccctaggtc tcaactcagt atttcgagtg cccgctctga 300
 taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct 360
 tcagaacaag cagattatct ctgagtgtat gaacagatta tacaagtaaa taacacaaga 420
 gaatt 425

<210> 35505
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35505

tgctgtccg atgcagcagt aatgatggcc cgagtatatgt tgtggatctg gttactaacc 60
 cggaatgggt ttaggcagag acaacggctg cataactagc ctgatanatg ccaaaggaaa 120
 tcgtgggaag tatgtgctat gctataagcc cactcacgca gatgtaaaga gaatcatcgc 180
 gggaaggaac ggcggaggtc aaagctcgcg ggtgacacta gaaagagaag gaagcccgtc 240
 ctgccacata agtataagct gtattagcgc gagtct 276

<210> 35506
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35506

agcttgtggc tgcattcaga ggtttccaga atatgtcaag agaagctgat cgaacgtacg 60
 taggctagta gcaacgaaag tgaaaaatcg tgaattaaaa tatgataatt tcaacgacgg 120
 tgatgggtat aaaccgtagt agtcttgcta caaacaaca cggttcttat aaaatcgctt 180
 ttgtagcatt cacatcaaag gcgattttat aaaaaccgtc aaacaccttc ataaagttga 240
 ttaaaatttc aaaaatatca caaaatcgat gtagatttaa cgatgtagat tgtttatttt 300

gtagtagtgt atctagccta taatttgtaa tctcgggggtt attgtgattt gatgaccgct 360
tgtataaaaa tactatcttc ttttattata ttacgaatgt tattgncatg tacgt 415

<210> 35507
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35507

ngagagagat ctcaagaacc ggagggttgct tagggactgg atgtatttac tggttggtgc 60
cgaaccagta taaaattctt gtgttggttct tcttcttcca tacactattt aatttcggtt 120
gtgtacttta cttttatgct atacttttgt ttaagttaca taacttagta gtaaagccta 180
attgaatcta gtaacattaa gaaggatcag ttttaattag tcaaggttac ttaataatta 240
attcaacccc cctattctca attactccaa ggccacttga tccaacacat tgtaccctga 300
gcaactgccg gatagttctt ctctcttttc ttttcttttc ttaagagctg aatgtaatcc 360
atgtaccctt atgggtcctc tctgatatta tgtatgtatt catcttctca cctttatcat 420
tagtaattnc atttca 436

<210> 35508
<211> 423
<212> DNA
<213> Glycine max

<400> 35508

agcttgaagg taaactagat gccttggtta acctggtaac ccaactggcc atgaataaaa 60
aatctgcacc tgtcaccaga ctctgtggtt tatgctcctc tgccgaccac cacacagacc 120
tttgccctta tgtgcaacaa tctgaagcaa ttgaatagcc tgaagcttat gctgcaaaca 180
tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagAAC aattatgacc 240
tctccagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga tggtcgaatc 300
cttcacaaca gcaacaacaa caaccttatt ttcagaatgt tgctagccca agcagaccat 360
acgttcctcc accaatccaa caacaacaac aacaacaaca acaacagcaa cagccctaga 420
aac 423

<210> 35509
 <211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35509

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 ctactatgaa ttcttttagat cctgaatgta caaccttcac atgatgctcg ctccccctctt 120
 tgatgtctgc accatagaaa atcattatca gcgaactcat ggatgaagtc ctaatgatgc 180
 catgtacatg tgcatactg aacatatagt gtatatattc catccatcat acattgtctg 240
 gagcttacct ggatagactc taacgtcacg catacccaca cccgaatcag aatccatgta 300
 aaagctatac cattcaattt ctcagagctt cgttgtaaat ctgagcgctc cacatatatg 360
 ccccgatcgg actcctgg 378

<210> 35510
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35510

 atcttatttt agctanaaga gatgttgcat aaactgcttg gagtctatta cattgcgctc 60
 gaactatggt tttgcttcta tagttaacca gctatatatc agatgcattt ataagacatg 120
 cgaaacttac atcagtgttg cacatccctg ttattatata attcatagac atattctacc 180
 aagagtaaaa atgcatatac cagcatcaaa gttttacatt tcataacctt ctcatctaatt 240
 gcttgccatg cctcactg 258

<210> 35511
 <211> 379
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35511

 cttanaaggc acattggcca ttggtaatcg attacatctt ctgtgtaatc gattaccaga 60
 gagtaaaaact ctctaaaaac attntaaatt aaatcctttc gccatacctt ntgttggttc 120

aacttgggaat tttcttccta agactctggg aattatcttg atcatatttc ttgaatttct 180
 tggatatcta ggattcttgt cttgaataaa acttgagaag cgcgttcctt tggcatcatc 240
 aaaacatcaa aatatctttg cttctacaat gtcttcagtc atttacactt tcagaagact 300
 acaatgtctt catttacatt tgagagactt tcatgtcttc agtatttacg ctttaaaaga 360
 ctacatttct tcatatatt 379

<210> 35512
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 35512
 agcttcatgc ttaactatgt atggaaaaac ttcattacta ttgttcaaga catacaagtg 60
 agcttgtaac aaattgatgc aatcctaccc cgcaaggggc atgtgtacaa aactcccagt 120
 gtaatggacc atatatgcta tataacgccc tacgggtttt atgagcctta tggatatatt 180
 taggcgcgtg tgctaagttc aagcccagtt atgttt 216

<210> 35513
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 35513
 ggctgtctg atgcagcagt aatgatggcc cgagttatgt tgggaaacga ttacgaaccc 60
 ggaatggggt taggcaaaga caacggcggc ataactagct tgataaatgc caaaggaaat 120
 cgtgggaagt atggtttagg ctataaaccc actcaggcgg atataaagag gagcatcgca 180
 gaaagaaaga gcggtggtca aagctcgcgg ttgaggcaag aaagtgaagg aagccgcct 240
 tgccacataa gtagaagctt tataggcgca ggtctgggaa acgaaggta agtggtcgcg 300
 atatacgaag atgatgttcc gagtacattg gatttggtac gaccatgcc tctgatttc 360
 cagctgggaa attggcgagt ggaggaacgc cccggcattt acgcaacgag cataat 416

<210> 35514
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35514

agcttgaatg gtcattgacc cagataacta cgcgcaaacc tgagtcatca actcaggaat 60
ccccaaaacc aacaacaacc aaacagaccg tggctgacta tgcctgatca atacaaactc 120
tcttggccct agaagatata ggccctacca aaataccaaa attggccaaa aagacctgng 180
cagaaatggc ctcagaatca gatgatgatt ctgaaacaga tctgcaaaaa caaatccaaa 240
aggccaaata gaccaaagct gtctgcaatc aaaaatcaag ccaatcgttg actcaacaag 300
aatcaacacc acaaccaaac aacaattata tttcanaaaa caaaattttc aatgtttctac 360
aaatggaacc agaatactgt gacaagaatc ctttcaaat 399

<210> 35515
<211> 490
<212> DNA
<213> Glycine max

<400> 35515
tagcctgatt cagatcgaat tgaagatggc ttagcttata cttgtctagc ttagctgacc 60
aaatcagcct cagatgcaag ggttggggcg taagcacttg agactcgttg cttagcgcac 120
gatcaaagat gcgcttagcg cgaagctcac gcttagcgaa aggactattg atgtgccatt 180
atctttctct atcttctaac cttttttgca ccattttaaa taccgattag tcttaattgt 240
caaatttatt acgcagattt attatttggg ccatttcagc taattgatgt ttttaattcta 300
atttcaggaa ttaatgaagc attgggcttg aatctagaat tgggcttgga cttgaagaag 360
gcagactaat ttattctaca aaattagagc ttattctatc ttatccatat attatttaga 420
tgtgatctca tctagatatt atgtcatcta gatcttatct tatctagagt cgatttgatt 480
ttacttatgg 490

<210> 35516
<211> 408
<212> DNA
<213> Glycine max

<400> 35516
agcttggcat gaccacaaca tggatgggca ttactcgggc tatgggttgac aggttgtcta 60

gggtgagcat gatttatgtc tcttcaggta ctggaatatc ttatgtgaga ggtccctggg 120
 tttaaccatt ttgacctttt tgaccgatag acaacacatt cgggatacat gtttcatttt 180
 actccaagtg agcatatggt atacacgtgt gtcatttggt tacacatggt gcttcacgaa 240
 aggacatgtc ttaaagacat gttacatggt ttgtgggaat tacatcatgg cacgggtttt 300
 cagagtgtca tttcagctcc cgccagttcc taaaagggtg tggccttctc tcttcattta 360
 aaaagactgc atattacgtt ttctttgtct tcaatcttga atattttcc 408

<210> 35517
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35517

ntgatgcaac atatggagag gttaatgaaa caacgagatg atgttctcca tgagaggctg 60
 gatcacatgg agaatataga tcataatgaa gaagacagga gtagaagagg gaatgatggt 120
 gttcctagac aaaactgaat tgatgatatt aaactcaaca ttctctcatt taaaggaaaag 180
 aatgatccag aggctactt ggagtgggag atgaatatag agcatgtttt ctcatgcaac 240
 aactatgagg aggaacaaaa ggtgaagctt gccgtcacgg agttttccga ctatgttctt 300
 gtgtggtgga acaagctaca taaggagaga gcaagatatg aagagccaat gtgtgataca 360
 tggatggaga tgaaaaagat catgatgaag cggtatgtgc cggctagtta ctcaagggac 420
 ttgaaattca a 431

<210> 35518
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35518

agctttatat gattggctaa gattttgtta aaacataagc acttatacaa tgaaggaaaag 60
 ctggagtgtc tgcacaagat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
 gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaagattca cgatgtcgga 180
 tacaatgtcc aggacatcct gcccgaaaat actggaattg ctaaaagcat tgatattgct 240

cgatccacga tgcgcgatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga agttgcagga tccacaatgt cngatacgat gtccaggaca tcttgcccga 360
caatactgga catataaatc tggtatatct ttaacagatt attgtgcagt tagcaagaga 420
ttag 424

<210> 35519
<211> 289
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35519

tatangaagc atatcattac ttatatatag accatcagac caattcatga gaagacgata 60
taaacggcac atcttatgat ggagactgag ataaaacaat ataccttgag ttcaatggag 120
ttcactggag gcggaatgag gaataactgg gggggacgct tcattccatt cattaagcga 180
taaaggcaca cgctagtccg aaattcacta atgttctctc agcggatcat aactgagcta 240
tacacacgat cactatcatt gccgcttatt ttatcctgaa atcagatct 289

<210> 35520
<211> 264
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35520

aatagctggg aatctatggc taaattacaa gaggcctttt cgacttatca ccttgaggac 60
aaggtgagta ctttatgcgg gggattatgat tagcataagc ataagccaca catcaccaat 120
gtgtacaacc gccaacaccc ataggggtgca aaccacccag caattacaac ccacccaaag 180
gggtgtaaacc acccaataan tatgcttcac ccaaaggggtg tcaagtcaga agaagtgaat 240
catggggaca tgaccctttg gaac 264

<210> 35521
<211> 278
<212> DNA
<213> Glycine max
<400> 35521

atctctgact tgagtcacatca agagactata aatatgtgac catggcatga atttaattaa 60
 taatttatct ttcagtcttt cttcatcatg tctcaacatc tttgaactct tctctacaga 120
 aattttctgag tcattttctct acctctttct taaagctttt gctcaatact ttttctttga 180
 agagaagttc tttgatcaaa aacttgtggt attcatcttt ttcattctct tctcgctttg 240
 ccacaagaac agaaggacta accgcctaaa ttcttttg 278

<210> 35522
 <211> 623
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35522

ctcccgctcn tgtctatctn actcacatag tgactcnagt cgtagttctg ctatcttct 60
 acctcaccac ccccccacac cgcnnntta gtgctgcac cttgtactac gngacatata 120
 cataactcaag cttgctgcac tgagagacgg gttcccagaa gacagcagtt tgcgttatt 180
 gctgagaacc ctcaccttgc gacaaatgct atggaagaag actaggagat ggacataagg 240
 aatccgcagt gttgcgagac agcaactgaa aagacgcctc tgttcttgac actgatgaag 300
 atgttccaac aactgacacc cagcagcact ctgagcctga tatcaatata gatgatgcat 360
 catcctgcga tccctatgct gaagaactct ctgccccac cgcagagaga gcgtcatacg 420
 aagatgatca tgcgacgaag gacaccctg caccagaggc accataacct gctccagggtg 480
 agctcattga cctggaagaa atgaaatctg atgatgaagc cctttgcaac cccggttgca 540
 cccgtgcgtg gcacaacgaa taaaagcct gaaacggagc actcgcatct agaggttggc 600
 gaaatatgac tatcgccata acg 623

<210> 35523
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 35523

gcttggttatg aagatgataa aacctatctc ttactagatg tcagctagtt gtgagttctgt 60
 atccataaac tcaatgtcac aatcaccttt gtgaatatga tccctaataa aatgatgctt 120
 aatatttata cgctctgtcc tagaatgcat gatacgattc ttagtgatac taatgacact 180

agtggttatca catcttaaag gaatatgtcc taaatgcaat ataaagtcag aaagttattg 240
 attaagacac aagattttgtg cacaacaact tcacacaaca atgtactcag ccttatctgt 300
 aaacaaggca acacatgctc gattcttact attccatgaa accaggccat tacctaacaa 360
 ggggcaaata ctactagtgc ttctcctatc tagtgtaa at ctggaaaagt ttgaatctga 420
 gtattc 426

<210> 35524
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35524

agcttattgg gtctcataga atacttggag atcactagtc atcttcacta catgtttccc 60
 agaggtgctt ctatgaacgt ccagggtctta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
 acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35525
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 35525

taagtgattg tgctagatgg tgagggcgct actcttgaga gaggctcagc aggagtactc 60
 tgctacgtgg acaatatgga ggccacgaac ttactaaaag gggagaccct ggtgatacga 120
 tgagagagcc gaaattgacg cgattctcca aatgcatctg ttcctttacg ttcggtgtag 180
 cttgacagat gaacaatgaa ggatgctact gtaattaagg gctagctggc tcgacagaaa 240
 gttaagcaga aagtgtcatg tgaaagaaca cgcacaccct cgtatcatta tgcgcccata 300
 atcctgtatt tggcgagtta ctccatcttg cataagccat ggcgggagggc aacggacata 360

tggaatgaca tccatatgtg gtaactacct ccagcaggac atacttcgca tatgcgaccg 420

<210> 35526
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35526

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagttgtaa aaattgatac aggttgaaaa agggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaacc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35527
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 35527

agcttgcttc ttgatgaaat ggctataaat gcattaagga tctatatagt attacaaca 60
 caaccaaca ctgtcgatgc gtactttgga agataggtaa catctcggca ttcataaagt 120
 ctgtcgatct ttatttgga agatttgctc cctctccgac ttgggtaatg aaagcatggg 180
 aaacaactca agatgaaacg atgactgctg gtgtgttgga tgctgtggat ttcaacacat 240
 tcggtgtgtt caacttgctc aatcattcta aaaccgaaac ctcttgaacc tttatgtctt 300
 atattgtggc atgctatggg gaaatgggta tactataagt ttaatctgaa atcacaagat 360
 gcaacctact tgtgaagtat cctaatac 387

<210> 35528
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35528

ttcatgactt atttatgagc tccttttatac ttgtggccag tttcaaatga acttaaaatg 60
 taacattaaa gatatactgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatatc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtgc caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctacagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacggggtt tctccatgtt ggtcatgctg gtt 413

<210> 35529
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 35529
 agccttacag aagtacaaa catttgcaact aagcatctgt cgtctgtcaa agatatacta 60
 gtatgtgcgg cgtctatggc tttcctttca aatagattgt tgcgctgatt tccataatca 120
 caatccattt gcagatccat ctcaattttt ccaccatcca atgtacaata attacgaaca 180
 cctcttgaac atgatgaata atctgtcttt agaacagata acgagtttga taagttaccc 240
 tcaccacaaa gttccatgtt gccttcttcc tgtctggatt ctgaacagca cactctttcc 300
 tctactacaa cacctttact atgatgctta ccagcaatat gcagcaaatg attttcattc 360
 tcaccagaga taacatcaag attcaaattcc 390

<210> 35530
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35530
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 aactgtgact aactgagct ctcatataag tcaaagagct gcggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcaact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35531
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 35531

caccttctcg ctataccaat atgttggtc agcgagcatc cgctaagcgc aacggttatg 60
 ggctaagcgc aacactcatg ggctaagcgc gaggaagact ctggaagaag atgagatgta 120
 cagggttcgct aaacgcacca cttcatctca ctaagcacac cgcttcagtc catccgctaa 180
 gcgagaaagg cacgcgctaa gccaaaattc actaatgtac gctaagccgg ccataattgc 240
 gctaagcaca tgagcacgaa caaagccacc tatttaagcc agacatcaga ttttgtgagg 300
 gagtttggac tgggattcag agctttgcat gtctagagat tctagagaga gaaaggtcca 360
 agctccagag agctcagaga gattttgctg tgtgaagatc ta 402

<210> 35532
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35532

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 tgccaaaatg tatttttggc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaagggtg aggtagtgga gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
 ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35533
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35533

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tgtctaacta atcaatgaaa tgtcctatct atctcacgat caaacgggtg taagtcacat 120
 ggatcgctc tacgtataca ctatattcat caatgccaac tattcgtctt ttatccactc 180
 acaatgtagg ttgactaca gctaccattg aatgatatcc acatgactct gaaattctgc 240
 gagaaacctt atcaaatgat gacgaaatag cacacaaaat ttcaaacc aaattcaaagt 300
 ctaacta 307

<210> 35534
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35534

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 tcagtgcact aattggtaat gaggttcaac aggaatctcc acctacaggt acaattcaat 120
 cttcgcgatt tttttaaaat gttgtttcca attgttaca tggagttcgg aaattcttgc 180
 cattctagaa atgctactgt actttgagct caactttaat tgtacagatg aaatattaag 240
 gatcttacta aaattaatgt attttggctt taaaagatac taaaagaaa agtatcaaa 300
 tgaaggaaca cgcacacgct ngatataatta tgtgcanatt atcttgtttt tggcaagtaa 360
 tcgattcttg aaaaagctat gggtagaggc aatggaaata tggaatgata tccatatact 420
 tgaacaacat ccagcaggaa ttaatttgcc atatgcgatg c 461

<210> 35535
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 35535

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaattgtga 60
 attttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ctttcatttc aaccttggtg aatctgatga ttatgtgtct tggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300

tggggaattt ctcttgata atactctgaa gagtgttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35536
<211> 396
<212> DNA
<213> Glycine max

<400> 35536

agcttttaag tatctgtcag ggccctaata atttctgcaa catgaatgaa atggatgaaa 60
attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca tacccttttag catttatctt tcttctggc tgtagatttt tacaggataa 240
tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35537
<211> 546
<212> DNA
<213> Glycine max

<400> 35537

ctccaccct cctcgctgt tttaggcgtc taccactata cacacgccac ggaatgatga 60
tctccgacgg acttaataac tgagctgcag cagcctgtct atacagcta ctgatggttt 120
ctattatctc gaggaccggt tacgaaccg cgcttagttt atgccaatac aacggcagca 180
tagctagcct gataaattcc atacgatatc gcgggaagta tgggttatgc tatcagccca 240
ctcaggcaca tataaagaca ctcatcgccg caatgatcaa tggttgtcat agctcaccgc 300
tgacactaga aagcgaacga cccccctg ccataagta gacactttct caacgccggt 360
ctgggagacg aacgtcaagt ggctcgaata tactaagacg atgtcccgag tacattgggc 420
ttggtacgac cttgctcttc tgatgtccag cagtggaatc gcacactgga ggaacgaccc 480
cgccatctaa gcatcgagca tgatagggac ctctcacggt attaacaagc tctatcatgc 540
gggccg 546

<210> 35538
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35538

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatactttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttggg tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35539
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35539

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aatggatct ttccaatcat ttgttcatga 240
 aaagtgaag tatttgcaat ctcttcatac tcctttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35540
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 35540

ttgagttatc gaagaccaat tgctcagtct ttcttagcta gatgatgaag acgatgcatg 60

ggcactaaat tgctgggagt tggaagccat cttctcaatt aaatttctgg cttcaacagg 300
 ggtcatgtct ccaagggctn caccactggc agcatctatc atacttctct ccatgttggt 360
 gagtccttca taanaatatt ggaggagaag ctgctctgat atatggtggt gagggcaatt 420
 agcacataa 429

<210> 35543
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35543

agcatatcat gtttggttta tatcagtctg acactcattc tatctttttt tagacaaagc 60
 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagtttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnetgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcacttaaca gtcacct 377

<210> 35544
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35544

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 ttacacagtg caaatTTTga attcaaattc taatagttgc tgtaaattag ttctggccac 120
 tggtaatcga ttacatcctc tggtaattga ttaccacaga gtaaactctc tgaaaaagac 180
 tttttagctt aaatttcttg gccaaacctt ttgctacttc aattggaatt ctcttcctac 240
 ttaatatacc ctttctaaga ttctagagac tgtcttgatt atccatcttg aatatctttg 300
 atttctttgt cttgaataaa gctttgtgaa acatgtaatc ctttggcatc atcaaaacat 360
 caggttgatc ctttgtctac aaatcttgaa cttattctct tggctctttg catcatctnt 420

gtatcatcaa actccttgaa taatctt

447

<210> 35545
<211> 389
<212> DNA
<213> Glycine max

<400> 35545

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
cactagtccct tagttaatat cactttcatg ttttcagggc ctgagatgca tttcaggagg 120
cagaaatgga tctcaggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttagagcatc atttgctaaa gatgactatt 240
aggttttcct gcacatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg cccctagaga atttgggtat 389

<210> 35546
<211> 433
<212> DNA
<213> Glycine max

<400> 35546

agctgatgga ataatcatag ttgcacaccc tatggatact gtttggggaa tgaagcctga 60
gatgaagtca tatgatattc cttaaattata gaacatcact acaaaggtaa tcgctaatat 120
ctctgttagc agtagctatt aatgccattt tttaaaagca cctattaatg gcattttaat 180
attttatgca agagaattcc aatccataat tggatctggg cttttcgttg ctagcgtaaa 240
tgacacaagg ttattaacta tgatgaagta aggataatcc tcgcatgaa taaatattcc 300
taggccacat gtctacataa tcatgattta atgccccaca atgaggacat aatgcgagca 360
aattagctcc cacaacatgc tctaagacat atacttgcct tcatcaacct tcttctcgcc 420
tatggctgaa aca 433

<210> 35547
<211> 384
<212> DNA
<213> Glycine max

<400> 35547

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 ctgtataag agatgttcaa taaatatttg ttaataatac actgcataat gtataaatgt 120
 gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
 atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
 aaaataaatt agacacagca agtagtaagt gctgttggtt tctatatccc cttactcctt 300
 gtccctttca agaaaaaaat accctaaata atgaagagat ttcaaagtgt caactgtatt 360
 acatgggtcta caacaggagt tggc 384

<210> 35548

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35548

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 catttgagtc acgttgacgg gcggagatac cccagtgggt atccggataa acattctatt 120
 ttgctgtctg cacaacgaaa agcctgatag cacgcagaga ctaacgtcgc tttctgcgcc 180
 cttcgtcaat ctgoggacga caagaccgtt gacacgcaga gatctacgtc atttgccgcg 240
 ctcacaagat ctgtcactact gacatttgag tcatgctgac ggacggaaat acccaagtgg 300
 atattcgtat aaacattctt ttctcctgtc tgcaacacga gacgcctgat agcacgcaga 360
 gaccaacgtc gtcttccgcg cccttc 386

<210> 35549

<211> 396

<212> DNA

<213> Glycine max

<400> 35549

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180

aagaggggaaa gaataagaac aaaataaaaat cataaggaag aaaaaatata ttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35550
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 35550

agcttttggg tctcgtgag tttttggcta ttcacttttc tttcttgtga tgcccctgtg 60
 caggaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaaagtc ttccctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
 atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
 ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
 tgcaatttat atgaacagaa tca 383

<210> 35551
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 35551

agctcggaga ggatgcttca atggaggacc agatatatgg agtgaaagag agagggggga 60
 gcacgaactt gaaggaagaa aaggcagaga agttgaactt tgagttgtgt ctcaaacag 120
 tctcattcat caaaggtaga acaagtgtta cacatacttc tatttataga ctaggtagct 180
 tccttgagaa gctttcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
 agaagctaga gcttagctac acacaccctt cttataacta agctcacctc cttgagaagc 300
 tctcttaaga agatctctat agaagctaga gtttagcttc acatacctct ctaataacta 360
 agcttagctc cttgagatga gaagctagag ctttagctaca cacccttat aatagctaag 420
 ctcaccacaca tgacataata catgataatg acaaaa 456

<210> 35552
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35552

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 agagggtgctt ctatgaacgt ccagggtctta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
 acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35553
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35553

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 gtgataacctg gagatatgtc gcggggggtca cgagaccttg gtgacgtcag gtgggggtgct 120
 attgccc aaa accaagcttg accaatcccc acccaacccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctct tggcagtcaa ccgattaaag aacaaagacc 240
 acagagcatg gaggcttatg tgggtggctgg ccagctgtga atcttgagtg atatatggga 300
 tatggcctct ggtaatcgat taccaagggg gggtaatcga ttacaaggct tataaacgag 360
 atcaggaagc taacagggct tatggtaatc gattacaaag gggcgtaatc gattaccagg 420
 cttaaaaata ggactggaa 439

<210> 35554
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35554
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 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagttgtaa aaattgatac aggttggaag agggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaacct atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35555
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35555
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 tcgaaggaga tggatgatga atggatgtcc tcagttatcg ctctctttat taacgccatc 120
 tgcaagaaaa gaatgtagac aattacaaaa atcaagttga aagcaacata aaggccgcta 180
 agtgagatca aatttgctta gcataccttc acaaaacaac acataccgct tagcgaaaca 240
 tggttcactt agcgagtctt aaaagagaaa ggtatacccg attagcgctc tatagagctc 300
 gctatgccta aaaccagccg catagatatg cgcttagctc tccatgagct gcgcttagcg 360
 gcactaaata aagtaaattt tactaagtta tgggag 396

<210> 35556
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35556
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 taacattaaa gatattgat aacaggaaaa tcctgnngat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaatatc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtcttcg ctcttgccca 240

ggctggagtg caatggcacg atctcggctc actgcaacct cgccttccg ggttcaagcg 300
attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
taattntgta tatttagtat agacgcgggt tctccatggt ggtcatgctg gtt 413

<210> 35557
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35557

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aaactgtata cataaattag gcaactgtttc cacttgagag acaagtggcc tgatatatga 120
tacgaggggg ggggcggacc tttcatcgga cggcgtccgt gataactctt atactcgacg 180
ctgatctctc tatgaaaatc tggaagggtc tgaactgacc ccgtcacaag cattcattag 240
ctgtactatc catcaaattc tacgcagccc agaattacaa gcaactcttc tatctctcta 300
tatctgtcta tccatatctc tatatatatt gacagacaga tgataactca gtgctctcta 360
tgatatcata atatcgtcgc cgcgacaaca agacatcgct ctgtcgaata tcaaagacta 420
tctactacgc tcccgtatct tccacaattc atgaccctat tgtcttcaaa ccaactctata 480
tcgccattct tgttactctc ccatccaact atatttatcg 520

<210> 35558
<211> 215
<212> DNA
<213> Glycine max

<400> 35558

agcttgtccc gttgaccata tatocttccc tttatgagcc cgatactgtg gtgacaggat 60
aactgtgact aactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtacca 120
aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35559
<211> 420
<212> DNA

<213> Glycine max

<400> 35559

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 acccgaagtg ggttttaggca aagacaacgg cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt tatgctataa gccactcag gcaaataata agagaagcat 180
 cacgggacag aagagcggta gtcaaagctc gcgatcgaga caagaagggtg aaggaagccc 240
 accctgccac ataagtagga gcttaataag cgcgggtctg ggggacgaac atcaagtggc 300
 cgcgatatac gaagatgatg ctccgagtag attggatttg gtacgaccat gcccttctga 360
 tttccagctg ggaaattggc gagtggaaga acgccccggc atttacgcga tgagcataat 420

<210> 35560

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35560

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 tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tattttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaagggt aggtagtggg gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtg gctctgttgt ctctcagtc 300
 ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagttc gtgggacata 360
 tggctgtggc catacccatt cttggaaaaa actaaaaata agagac 406

<210> 35561

<211> 365

<212> DNA

<213> Glycine max

<400> 35561

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 attttggccc ccactctctt ctgggttgta aggtttctgc agagagatcc actgttagtc 120
 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180

ccttcatttc aaccttgggtg aatctgatga ttatgtgtct tggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctcttgata atactctgaa gagtgtttcc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35562
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35562

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 tgactatgca aaaggtagaa aggatttggg gcacaaatat tcttgccctg gactggatng 180
 gatctcttta tttccttgag tggctcgata tttattagaa ggagattgct atctaactcg 240
 accaattttc tatacctttt gatttttagg gcgtgtgatt ggatagacgg gctgctcttc 300
 ttgctggcta ttcttggcgc atgctccata atgcaacgat tcacacgct tccaagcgaa 360
 ctatatggcc tgctaatacc aatgctctct atgcagtagg ctat 404

<210> 35563
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 35563

agcttttaag tatctgtcag ggcctaata atttctgcaa catgaatgaa atggatgaaa 60
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 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgcctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttggt cctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35564
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35564

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 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctattttagg gattgctaag cttatttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35565
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35565

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 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tatttgcaat ctcttcatac tccttttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35566
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 35566

agctgtgaac cacaccaaac cctgacatgt atcatgtcta gccattctac aagcttcgag 60

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ccagaataact gactcaccac aaaccttgac ccacggtgag aatgccactc cttaccctcg 120
gaagcaaaat aaagaagaga aggaaagttt ccaatcatag gagaaaggag aaggaaaact 180
tccactcaaa gaggaagcat aaaaggagag aaggagaatt tccaatcaca ggaagaaaga 240
gaggatagga aattcccaat cacagagtgg gagagagcat aaagaacaga aagaagattc 300
ccaatcacag aatgggagat agaataaaga gaagtaaagc agaagaaagt tcctgatcaa 360
agaaactaga agaaatgtgc agaaagatct tttgaccaga tgatatctga acaatacaga 420
att 423
```

```
<210> 35567
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35567
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acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttatttg cctgatgagg tagagagaga gagacggngg 360
tagaaagttt attcagagga atagtaacaa ag 392
```

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<210> 35568
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35568
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tagaatcaga aggtatggtc acaagagtat tctatatgaa atatatctcg atacgagtcc 120
tcgaactata gagtatcaac attgctaaga acaagaaatc atgaacaacc atactatcta 180
tgcaattaag gcaaaacacc atactactaa catacccaga attataaggt tcttataata 240
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cgaaaaagat aggggtcttgg gagagga

447

<210> 35571
<211> 389
<212> DNA
<213> Glycine max

<400> 35571

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
cactagtccct tagttaatat cactttcatg ttttcagggg ctgagatgca tttcaggagg 120
cagaaatgga tctcaggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggttttcct gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg cccctagaga atttgggtat 389

<210> 35572
<211> 379
<212> DNA
<213> Glycine max

<400> 35572

agcttctatg gaggctggat ctttgagctt caatgaggct cttcaatggg gattttccac 60
catggagatg cactggacga taaaggagaa gacgtgagag aaggcaccat ccactacgga 120
ataagcgatg gaagaaggag ctttgccgcc aagaatgtgc cttggataag aagcttggag 180
aggatgcttc catggaggaa aagaaagaga gagagaaaga gagagggggg gagtaccaaa 240
ttgaaggagg aaaaagggga gagaagttga actttgagta ttctctcaca agactctcat 300
tcatcaaagt taccatacgt gttaacatac ttctatttat agcctacgta gcttccttga 360
gaagctttct tgagaaact 379

<210> 35573
<211> 396
<212> DNA
<213> Glycine max

<400> 35573

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aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagaggggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcacacctgt catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35574
<211> 384
<212> DNA
<213> Glycine max

<400> 35574

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ttgacccctt tctaaatgat acgctccaaa tgtagaagta taagcaacaa tcaattcaat 120
aatgttcttt atacatgcca gacaaaatcg actgccataa tataaatgag attagggag 180
agagaaatgc taactcactt tatactatctt aggacacttc ccgtgcctac gtgcaattcc 240
tcagcaaccc acttgaaatt ttccactctc tttgcaagaa tacttttaca cagtctgaac 300
cacataggga caacccatcc attgtgtcca ggaatactta ccacttaaga gaccctccat 360
cccttaatca atctctttga ataa 384

<210> 35575
<211> 383
<212> DNA
<213> Glycine max

<400> 35575

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caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300

ccatcaatat ggatttgcag catgtattgt

390

<210> 35578
<211> 386
<212> DNA
<213> Glycine max

<400> 35578

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atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaag agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35579
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35579

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taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
tacttaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatata 180
aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
ggctggagtg caatggcacg atctgggctc actgcaacct ccgccttcgg ggttcaagcg 300
attgtctctg ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
taattntgta tatttagtat agacgcgggt tctccatgtt ggtcatgctg gtt 413

<210> 35580
<211> 215
<212> DNA
<213> Glycine max

<400> 35580

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aactgtgact aactgagct ctcatataag tcaaagagct gcgaggagcaa gaaggtagca 120
aatcatgccc ctgtgaccag tgtccgact aattatactg atcgtgaagt gccgggatca 180
ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35581
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35581

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tgcttctct atcttttggt cagctaattc actttgattc cttgctcttc atcatcttct 120
ccatgtatct cctccattat cttgtgattc ggtattgtct agagtagatt caaaaaata 180
aactgactaa atcttagatt tacacttggt catgcattct ctatgggtca aattttatag 240
atctactctt gaatcatgct tttgcgtctg attctacgtt ctatcttttt tcagaaataa 300
tcttcttggt ctgagccttt agatatcaac tttcttacca aatattgatt acaaaagaaa 360
acaccaaaat ctaagtgcaa accatttgat tcattgtt 397

<210> 35582
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35582

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tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaagggt aggtagtggg gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
ttatccctcc tcttttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggtgtggc catacccatt cttggaaaaa actaaaaata agagac 406

<210> 35583
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 35583

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 gaagtccgat tcatgcgcac aatatatcga gaccctcgaa attgcactac ggaagctctc 120
 acgaaacata aatggcgata acttttcaca cggatgtgca ttcaagtgca taatatatag 180
 agaagcttga cagtgaacaa tggaagctct ctagaaatat caatggacac aacttatcag 240
 acggaagacg cattctggcg cacattatat cgagacgcta gcaattgcac aaag 294

<210> 35584
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 35584

atcttaagtc actgggctgc agcttaacca ggggagatgg accatttcaa gttcttgact 60
 gaatcaatga ccatgcttac acagttgagc tgcccggaga gtataatgtc atctccacct 120
 tcgatgtctc tgatctatct ctattctatg caaatggaca atcctatttg aagatcaact 180
 cttctaaaga gggagagaat gatgatgaca tgaccaatag caatggacaa gatccacttg 240
 aaagacttgg aggacctatt gatgaggaca tgaccaagat ctatggcaat gatccacttg 300
 taagacttgg acgacctatt acatcgtcta tagcaaggaa agccaatgaa gctcttcaac 360
 acatgcatga cactact 376

<210> 35585
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 35585

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 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180

ccttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tgggggaattt ctcttgata ataccctgaa gagtgtttcc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35586
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35586

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 gttggtacct tcgcgattag attgcttctc ctatctctga tggaaagact ggaatctttc 120
 attgaatata atagccttta ttgagtaatt gacccaaact cataatatta ttcttcatat 180
 ttgggacata gtagacattt gatatgaatt catgtcttcc atctttcaaa taaattaaga 240
 tcttacatta tccttttaca agaatcttag aattatcacc aaatgagaca ttgtcactta 300
 ctgattcatc aagatccaag aacatgcttc ttttctacac atatgggttg ttgcaccagt 360
 gtcaacgtat catgtgttgt cttggctacc ttcattacat gcacatgcta gaagcactat 420
 ttcaaacttc ttggcttttt gctccacat 449

<210> 35587
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35587

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 attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttggt cctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35588
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35588

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 ctcgaaactc gataatctat ctgtattgct attntataat agagctccca cataagagag 120
 acagaaagac ataaactagt ctcttttgaa aaaaaaacca agaaagaaaa gagaaactga 180
 caaaaataat tagctttgga gttggtacag aattcttcca agttaactag aaactttgaa 240
 ttcaaaacca gtacatacaa ttaatatgcc ggtggtacaa gcagatgatt gaattcttta 300
 agtaagcttc tatgtttgaa tcttataaat aaaaaaata tgtttaaaat gaaaaattct 360
 ataaacaaag atttcttaat ggacattaat tattaaca 398

<210> 35589
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35589

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttcccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctattttagg gattgctaag cttatttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35590
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35590

agcatatcat gtttgtttta tatcagtctg acactcattc tatctttttt tagacaaagc 60
attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taattttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
tcacttaaca gtcacct 377

<210> 35596
<211> 677
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35596

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ggtagatcaa gtacatgctc atgctacacg tcttaatat aaatggattg cgcttctctc 660
aatacaattc atctacn 677

<210> 35597
<211> 389
<212> DNA
<213> Glycine max
<400> 35597

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
 cactagtcct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
 cagaaatgga totcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
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 aggttttctt gcatcatcca ttaagcaacc cccaacocca tctagcccag cttagcctctc 300
 ttctacagga agggagtcag atattctcgg ccaacaagat gaggaccaca ctaatgcctt 360
 cccagtctgg ccctagaga atttggtat 389

<210> 35598
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 35598
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 atcttcacac ctatctcctt ctcatctcct tgacgaacac agccatctga atacaatccc 180
 tcttacacaa gttgatgata atcacacaac ttacacattt ctcatatgg 229

<210> 35599
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 35599
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 cttgtataag agatgttcaa taaatatttg ttaatataac actgcataat gtataaatgt 120
 gtattttaaa attgtaggtt ttcaacccat taatgagttg caatctatat gtatacatgt 180
 atgatatgcc tggcacatta gatttttcaat aaataattat taaataatgg aaacgttcat 240
 aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc ctactcctt 300
 gtccctttca agaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
 acatggtcta caacaggagt tggc 384

<210> 35600
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35600

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 aaatatttta taacaaatgc taacttgtgc tctaagaaca ttagttgagg aatttaaagt 180
 agaaattatt ttactagaa aacgaaaaat tatgttccca ttatcttatt acgcttttat 240
 gatttaggca ataaatattt ttctctttta attctttaat caatgtctta agtacattac 300
 ttatcaatac ctatattcta tttatgctct agacagtatt cattgtattc gacaaatact 360
 ttttttaatt ttaaataaaa tgtgtgggga tgttagttt 399

<210> 35601
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35601

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 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcaccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35602
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35602

taacaccttg gttctacctc gtgatgacct cgaacatgag aaccattcta cggatccaca 60

atcaccagaa gtataactat tcctgtgcac tgatcctgta naataaaatt ggttgtgaag 120
 accaactg ctgaactaga atgcatcac gccacctgct gattatatgg aagttcagac 180
 tctgggcctg ccatcactat tagatcaagc acatccatca ttgaggttat gctatgacta 240
 ttgaaacccg atcacctttt gctcgtctac aattacatat gactcgtgc tattgcacca 300
 tgccctgcgta gcgctcgact acaggcctct tggcataatg tatgatactg cttaacgaac 360
 agcttccgtc atgaccatac tggagtgggc tcggctaagt cacatactta ccgagcttat 420
 atccn 425

<210> 35603
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 35603
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 gtttgtccac catggtatgc tttatgttcc tattggttat agctctggta tgctttatgt 120
 tcctattggg tatagctttg gtgctagaat gttcaatttg gagtccacaa gaggaggatc 180
 tccatatggg gctggagttt ttgctggaga tggtaacaaga caagcaagtg aaatggagct 240
 ggagcttgta gagtatcatg gcaagtatat atgaaattag cccataaaaag ctagattgaa 300
 ttctgcgatt ataaattcat taagccctcc tagccaggtc agcattctag tctgtcccaa 360
 gttggtgacc tctaaatcaa acttcttaat gcaactcaaac aaaccattgg tgacctcaca 420
 atcaaacttc aagtcagtgt tgtcataaaa 450

<210> 35604
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35604
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 agagggtgctt ctatgaacgt ccaggcttta tcctttatca cacatagcat catggcatct 120
 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240

acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35605
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35605

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 taaataattc tgctatctat aagactcagg gtccgatgac atgcggcaac cacttggtcc 120
 cacacctttt tgctatgtat aagactcaaa gcatgataga acgcagagac taatgtcgtc 180
 ttctgtgtct ttcccatcc agaggcgacg gtcccgatga catgcgggaa ccatttggtc 240
 ccgcacttgc ttttgcctat tataatactc aaagcatgag agcacgcaga gattaacgcc 300
 gtcttctgcg ccttttgtca tccagaggcg gctggcccga tgacatgctg gaaccatttg 360
 gtccacacc tttttgctat ctataagact canagcatga tagcacgcat agacgaacgc 420
 tcgcttctac g 431

<210> 35606
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35606

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag ttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagtgttaa aaattgatac aggttggaag aggggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35607
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35607

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 tatacacnnn tatccaacac gcccgccgc accncaactt tggagatcgt agttggacng 120
 cgtatcctat anagcggatc tgtatgcatg caagctgtgg gcatgttagc gtntgtggga 180
 anactgtatc tgtattcact gtagctctcg aatgcacaat cgagatgggt caagcacaaa 240
 tatatatatg ttgttgctcg cttgccacgc ataaatagtt tttatctggt cagattaagc 300
 atacacttgc tcatgcgacg acttcacata ctcaactata tcgcgtgcat gcttatgctt 360
 aatcatagga atggtacgaa tatgcgacta atattgagga gcgagtagac ttaatcctta 420
 ttctaggtca tatggtgaga caaaaattgc gctaagtgat tgcgcgatta taatcaaact 480
 cgacatgagg ctaacagggt tctccaagac ttaacatttc actttgaaac tgatctaagc 540
 agtgagccta atgccctata gactacttca cgttgaacat tacttggtgg gtgacagtag 600
 tgcacataca cactcacttc cattt 625

<210> 35608
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35608

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 taacattaaa gatatctgat aacaggaaaa tctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatctc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttct ctcttgccca 240
 ggctggagtg caatggcacg atctcggctc actgcaacct ccgccttccg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggt tctccatggt ggtcatgctg gtt 413

<210> 35609
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 35609

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 gtcattgcag tgcgcttttg ccttgatcac gtatatgcat gctttgctaa gatccttcac 120
 gtagatgcat gctgtgctaa gatcgtacta tcaattcaac aaagaccacg gtggaccttt 180
 caacaggccg ctttaacaacg gcctatcatc ttttacagga caaccaagct ggaggagact 240
 ttgactcaat tcatgcagggt gaccatgtca aatcacacaa gcaactgagtc aacaatgaag 300
 aaccttgaga t 311

<210> 35610
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35610

agcttgtccc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat 60
 aactgtgact aactgagct ctcatataag tcaaagagct ggggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35611
 <211> 577
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35611

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 tcaccacgcg cngcccgtt ggtatcgctg cantnncgag acctncanac tcaactgcagc 120
 acgcaagctt canctgactt ccagtaaadc tcttcaacta taatgcctta ctgccatcca 180
 gtattaggac atatccaagt aaagaaagga acacaatctc gcccgacggc ctcaaagggc 240
 atacgcgcg cactcttctt acactcaaac tacgttcgag ttaacaacag gcattgataa 300

acaggttgaa tatagattga tataatctatt atgactatta cacagacata ttattcctac 360
 ataccattcc aagaagaaag tgaaacgggt gagaaagatg gtagctactg cctgtctata 420
 gaatacaaac atgacattgc tcatgccatg atcgaatcgc cctcttgaga gaatgaacat 480
 atcagcatat atggctcgcc ccagaaccac aatcacaaac ggtcgaccc atcattttga 540
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<210> 35612
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35612

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 tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tattttttgcc actcttagat gaccaagcat ctcattgtatt agaaaagagg 180
 aagaaagggtg aggtagtgga gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300
 ctgagagggtt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35613
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 35613

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaattgtga 60
 attttggccc ccaactctctt ctgggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ctttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctctggata atatcctgaa gagtgttttc cagcttgatt ccattctccc 360

tgtca

365

<210> 35614
<211> 604
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35614

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tatnaaaaaan nacaaacgcg accaccacga gctttggaat cgtagacact ctcgancccc 120
cngatcatct acatacgact gcangcatgc tagcttgtag tcttgcgag cacaatcatgt 180
acctttcctg accgtgttga tggatgatg cacacgcaca gtacacatac ctctggaatt 240
tcctgacgat agagtaggca cttttcttca caccacttct gacatcacat aactaagtcc 300
acgtctcggc tacgacctct ttattgtgcc ctctgatga gatgctgttc ttcagagagg 360
aagagcagac atcgatgcca actgccacgc ctgtgaaacg cgtatctgca gtgaccttgt 420
gtgatcctga gtcgaactac aaggcggaca tacatattgc tgactctcgt gactctcag 480
gogagagtgt accatcgatg taacgtgctg tgaggcctcg gaacgtaagg ttctcgtct 540
ttgtgcctaa tgagagccgt tatctccata gagcgttgca tcgttcgact gcataatattc 600
accg 604

<210> 35615
<211> 396
<212> DNA
<213> Glycine max

<400> 35615
agcttttaag tatctgtcag ggcctaatac atttctgcaa catgaatgaa atggatgaaa 60
attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca taccctttag catttatattt tccttctggc tgtagatttt tacaggataa 240
tagatgattc tgcctgtgga atacctcacc tgattccgat ttttcaattg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt cctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35616
 <211> 610
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35616

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 actctatcag atatacacac catcacacca caacgacacc gcnatttgaa ttgtagatcg 120
 tctcgttacc tgcgatacnt acagcgacct gccagctgca agctatggag aatccaagag 180
 ccaatgctgg ttcttactta ctcgcacctg attctggctc caatctctca gtgggcttat 240
 cttctgcgcg cagcatcttg ggatgttccc agcctttgat gacagctctc caggatctgc 300
 tatacacaga gttgaggaag gccacattc gtgcattcca gtattcatag gaggggccat 360
 ccaaaatagg aggcacgagc actggccctc cttccttctg catgttcatg agaatatatc 420
 ttcctagatg tcaactcagt agtatgagcg cctgccctga taccaactga acatcctgta 480
 ccggcgacaa acgtcgacac gatgtcacga catctcgac taagcatgcc aactgtccat 540
 gactgtatga acagattcac caataaatta cacgcgacaa tcgtaacacc cctcggtgca 600
 cctcacctcg 610

<210> 35617
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35617

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctattttagg gattgctaag cttatttggga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35618
 <211> 621
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35618

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 tactcgctt ncnacctent catccgccgc gcgnaccanc ncttggaatt tggagactgt 120
 tatcctttgc cgggatccgn gatancntac agcagacctg caagcttgca gcgctcctgg 180
 acatacttga tggactatcg cgctcgacag aacgacctat gacaatggga gaggggggcta 240
 gacgcactgc tctcatagct cagcctaacg catagagaaa cttacttttag aagatacata 300
 aagaaggtag gaccacatct acacatacct ctctaatagc taaggatagc tcccttggat 360
 gagaacctac agcttaccta cacaccacgt ataacactta atctcacacc tatgaccaaa 420
 gacatgaaaa tcaagaatgg gggccttatt acacagacgc ctgagaacgc tccgaactac 480
 atcgctgata ccctaccata ctagaacggc cattatacat ggcccatacg aaggagggtgc 540
 ctgacctagt gtttaciaaac atcagcgggc tcatacatag cccatgggct ccataactac 600
 tcctaagctc atgagaaccc t 621

<210> 35619
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35619

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtaag tatttgcaat ctcttcatac tcctttaaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35620
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 35620

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 ttcttcacaa gagtgtgcaa agatgttcga atcacctgtg gtggaccacc gacatcattt 120
 gtgcaataga gcctggcatc atcaacaagt ttgcaaaatc ttggaaatgc attagcaaat 180
 cttttgtgag atttcaactg tgaattcacc cttactgccc tacctgtcat aatagctctc 240
 ctcgtaaaat tccaatggca agatgttaac ctgtcatata tatatatata aaaccaattc 300
 ccaaactagc aacacggatg attccacaaa gcatttatac ctaatgcctc taacaacagc 360
 aagatagcca tcacaaacca caccaactag ctcaattctg taggctttcg cgtgcgcgat 420
 ctcattacaa ttttctct 438

<210> 35621
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35621

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 aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35622
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35622
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 atattggtaa tcgattacca gtgtatctga atgttaaaat tcaaattcaa ttgtgaagag 120
 tcatatcctt tcataaaatg ctttgtgtaa tcgattacat ggttatggta atcgattacc 180
 agtgacaagt tttgaataaa aagtcaagag atgtaactca tccaatgggt ttcaggtttt 240
 tctcaaggat ataactcttc caatgggttg cttgaccaga catgaagagt ctataaaagc 300
 aagaccttga cttgcatttc aataactggt tagaaaaact tttagaatth cttgaacaac 360
 tnttgagaga ttgtgaaacc tttgcttctt atctttcttc ttcttccttt g 411

<210> 35623
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35623

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 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnetgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcacttaaca gtcacct 377

<210> 35624
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 35624
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 attaacaact tccatttgcc catcggtttg tgggtgacaa gtagttgaaa ataacaatct 120
 actgccaac ttgccccaca aagtctcca aaaatggctt aggaacttag agtccctatc 180
 actaacaatg ctccttgcca aaccatggag tctcacaatc tccttgaaaa acaaatcagc 240

cacatgggaa gcatcatcaa cttttttaca tggaataaaa tgagccattt tagataacct 300
atcaacaacc acaaaaatgg aatctctacc actgcttggt tttggcagcc ccaaaacaaa 360
atacatggat aaatcaatcc aaggatactc cggaattggc aatggagtat acaatgcatg 420
acgctgtacc ttagactctg ccccttttaca tacaatgcaa tggt 464

<210> 35625
<211> 389
<212> DNA
<213> Glycine max

<400> 35625

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cactagtect tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggtttttct gcatcatcca ttaagcaacc cccaaccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gaggaccaca ctaatgcctt 360
cccagtctgg ccctagaga atttggtat 389

<210> 35626
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35626

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agggtactga tgtaaataca tgtatatcta tttaatgata ttttatgtat tctctatgct 120
atcactacgc catttcaatg cgcttttgcc ttgatcacat agatgcatgc tttgttagga 180
tcattcaaca gtggaaactg gtctgattct tagaacttga taggataggg ctagtattatc 240
gcattatcac gaggtatcgc ggtacggcaa cctagttggt cgtatgctga cttaatgcgg 300
ttctggtcga gttcactcca acacgatgaa tctgaggaca atgcttgatt angattangc 360
tagactctca tgacgaatcg gggctctagca ttttacgaga caccatacaa cacatgagca 420

ttgttaagta gagaatatcc ttataacatc atgcacctac tatga 465

<210> 35627
<211> 384
<212> DNA
<213> Glycine max

<400> 35627

agcttgtcta actgttcctg ttttctata aataaagcaa ggatccattt tctattataa 60
cttgtataag agatgttcaa taaatatttg ttaataaac actgcataat gtataaatgt 120
gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gatcttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc cttactcctt 300
gtccctttca agaaaaaat accctaaata atgaagagat ttcaaagtgt caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35628
<211> 227
<212> DNA
<213> Glycine max

<400> 35628

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taggagtgga caatggagtt gagccttgca tcttgcatag tcatgttact aagttagccc 120
cgataaagga atagcttcca ctaaagctgg ctctttgtac tctatcacca acatagtga 180
catgctaata gccgggaagt ctgaaacttt ctcttttgtt gaacata 227

<210> 35629
<211> 396
<212> DNA
<213> Glycine max

<400> 35629

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttaa aaatcagaag gagtctcaac aatgtctgga taattacaaa 180

aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35630
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35630

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 actccatttc atttcctcgc attgacactt aaccgctcca caccgaatcc aatgtatgca 180
 tggcaatgac ttttgagcac atcgccgttt cgtgatgata atggcggttac cttttgatcg 240
 acgagtgcta ttgacaagct tcaactcgca acttgctctg acgctgtcta tgcgctcgta 300
 tctattctgt atattgtctg gagctgctcg aatgatgcat tgcgctatcg aaatatataa 360
 aatgctgata cttggataaa gggatggact aatatgcaca ttggtccttc atcattcacc 420
 gcctggactt gtaccaaaga gtacagatcc cctctcactc caatcctacg gactaaaact 480
 acatcttgct gtgcgaactt gccatagcaa acaacgatgc cctcacgaaa ccatcatat 540
 ctctacctgc acttcaatat ctccaccct 569

<210> 35631
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35631

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 agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
 atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300

ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35632
<211> 436
<212> DNA
<213> Glycine max
<400> 35632

agctctatat cgatggtgtc gttctgagag atgattagca taaaggggta atggaaaatc 60
tcttagttgg caaggtgatg aaacaagtcc tgagtgctgg ggagagtttg ctgaagtatg 120
agatccctgc ggttataaaa ggtatgctag tgaagcaaata gcaacacaac ctttgaattc 180
gccaaaaaca acatccattc acttggtcct ttttgatggg ttccagagga taaattttgt 240
tggttgcggg acaatgaatt tgcaagacag accttagctg ggggtcaatcc agtgaatatt 300
gagctgtcga aggtagtttt tcatacctgt ataggaagaa attattgtgt ggtactgctc 360
atagctccgt caatttccac gtaacacgcc accaaactca tcaattttacg acaaattaat 420
tatgtattac gtggag 436

<210> 35633
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35633

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agaggtgctt ctatgaacgt ccaggtctta tcctttatca cacatagcat catggcatct 120
tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
ccatcaatat ggatttgcag catgtattgt 390

<210> 35634

<211> 434
 <212> DNA
 <213> Glycine max

<400> 35634

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 acctttggac gtattctttg aaagattcat gcccttttcc acccatgttt tgtagctgca 180
 tcctatccgg agccatatca gaattgtact gataccgtct aacgaaggca accactaggt 240
 ccttccaaga atggactcac gaaggttgca aattattata ctagggtgacg gctgccccag 300
 tacgactttc ctggaagata tgcattgagt agttttgatc ttttgcgtag gcctccatct 360
 ttcgacagta cattgtcaag tgattcttat ggcaattagc actcttgtac ttatcgaaat 420
 tcgtgacctt gaac 434

<210> 35635
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35635

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 atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagttgtaa aaattgatac aggttggaag agggaatttt ccttcccggc ttggagtcct 300
 cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35636
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 35636

cctgacattt cacacatata tatcaaactg tacaagacaa ctatatctgc tcgattgaat 60

acctcaccca ctcgagtgtgta tcacacaatt atggctattc tctaatagaaa cactctcgcc 120
 ttttaccact ctaattcccc ttgagttctt acgcaattca agagattatg tgcacaacat 180
 agaacaattc atcaatatgc gtgaagcaac gctagacaat gaaaacgtta acccagaaaa 240
 aggctaacaa t 251

<210> 35637
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35637

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 taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatatac 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttctg ctcttgccca 240
 ggctggagtg caatggcacg atctcggctc actgcaacct ccgccttccg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggtt tctccatggt ggtcatgctg gtt 413

<210> 35638
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35638

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 tctccatcat gccagacaac agcatctatg acaggccctt tatcatcata gctctacaac 120
 ataaaacagc atttcctttt caatgtaagg aattcaagtt gaaaaaactc tcagtgggag 180
 cacaaacaca agtataaatg tctctttcag ttcgagtcac tgagacgagt cagagggaga 240
 aaacacaaga aattcattgt ttatgtgtgg ccagatggaa aagaaaattc aacattattt 300
 catacagaga caatcattct atcaacatcc tcattccacc acttatgagt gtcctataat 360
 gatataaatg cacatcaatt ggtcattacc tatttcaagg acaggaaaag acacacatac 420
 ccgaagagca acctatgaag atgacatgc 449

<210> 35639
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35639

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 aactgtgact aactgagct ctcatataag tcaaagagct gcgagggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35640
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 35640

gctttctcaa tcgctaatat atgggtttgca tctcctctga tatggacaac tccgcctcac 60
 ataacccttg atctgaataa ctgagcctac accaatgtca gacgctaatt tcatccgggt 120
 ataatgctcg tatcattcag atatgatggt atgatcactg ctaatcgaat taccgtgttt 180
 ggcacggtt acagtgcaca accaacgggt atcgcggtgc tttgatagtt gtttgtcatt 240
 ttcagaaaca taagcctcca tg 262

<210> 35641
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35641

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 tgccatctgc tctgatatcc caaagtaaga tggtagggtc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tatTTTTGCC actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaagggt aggtagtggg gagagtatTT ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatgggggtgt gctctgttgt ctctcagtc 300

ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35642
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35642
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 ggtcataact ttctacacgg atgtccgact gcagctaatac acatatacgat tcgctcacia 120
 ctgaacaacg gaagctcttg agaaattcaa acggctctat ctttacgcac ggatgttaga 180
 ttaaggcgca tcatatataa cgacgctcga atttgaacaa cggtagctct cgagaaactc 240
 agattgacat cacttttcac actgatgtcc aatt 274

<210> 35643
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35643

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 cccccaacca cgcgacncca ctttgaatt tgatttgatc accgttctcg ncaccgggat 120
 atatacatcg actggagcat gcgagcttga agaagaaata agctacctct ctttaattca 180
 tgcttaataa tagtagtaca gcagcttata gcacgacggc atcttacgaa gttttgtgtg 240
 ggaatgatag ccgacgtccc aagtagcgag catgtacgtt ctttgtgtac agtacggctg 300
 tagcaatgct acaggcgaac atcaattgga aaacagtgat atttacctga atgtgggtctc 360
 tattggattc ctacccccat gtatgagaga gagaaggagt ctgttggtta tgtgcatgta 420
 tgagaaacgt gcncaggat ttatgcttct ctgctcgaga gttctatcac tacgtacgga 480
 actaagtaga atggttcgat gttgaaccct atgcccactc caatcattca tttattttat 540
 cagatcataa ctaacatgga tagatcttaa ttggtttcaa taccattgca ccg 593

<210> 35644
 <211> 365

<212> DNA
<213> Glycine max

<400> 35644

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attttggccc ccaactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
tgatggggtt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
ccttcatttc aaccttgggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
tggggaattt ctctggata atactctgaa gagtgttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35645
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35645

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acaccaagac acaccctgac ttgaatcgt agccctaccg anaccgtgac atcnacatcg 120
actgtggact gtatattata cgcaatctct acaccataac tgatattctc cgaacaccaa 180
cgagaatgct tacataatcg tctgtcttgc tcacctaacg cgagataaac cactgacatg 240
aaacatcgaa cctataccac ggagacagcc taataccctc cgaatacaga gtcgacactc 300
ttcacatact agggtcgcat cgttgcacac aggagcaccg cgcacgcac cacatacgcc 360
tcatgaccaa acagataccc aagcgtctct aacaatatcg ctagcaacaa aggcgaccgt 420
cacggagcat aaagaatatc cgaacaatct ttctaccca ctgagagcaa ccctgcctga 480
ccattgcatg cctttactga accatacaa atccatcgcc caacgcgcca aaagaactcg 540
atggaccaca ttatcgaaat gaacaccac atccaatcaa caaacg 586

<210> 35646
<211> 396
<212> DNA
<213> Glycine max

<400> 35646

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 attaatTTTA atattggTTT tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggTTTTgtt cctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35647

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35647

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggtcgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcaactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttggga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35648

<211> 448

<212> DNA

<213> Glycine max

<400> 35648

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 tctgcctatc tctaacatat tttcataaat tctacatgct accctatatt ttcacaccta 120
 acaaactcat ttttaaagtc aaatctttta cacaaccagt ccatgcaacc atagcagcca 180
 atttattttc gtgacaattt agtccaaaaa gaaaaattcc ttaaacttgt tgtgttcata 240

actttttatta gaaagcttca atttatgtga aatttaaggc taaccctaca gtttgacacc 300
 caaggaactc atttttttacc ttacaatttc aaaataaata acaacatatc tacagtttca 360
 gtcagggttag tagctacgaa ttttgaacat caaaacaaca ttcaatgaaa cttagctctc 420
 aaagacaaca agaatagggt tcaagaat 448

<210> 35649
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35649

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 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatatatta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 tttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tattttgcaat ctcttcatac tccttttaaag tcaaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35650
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35650

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 cctgaaatth tgaagtccca ctcgtagaca cgcacttcac gactccgaaa atgccctcct 180
 ttcgcgattt ggagcagaaa tgatggccaa aggttggagc tttgttgggc aacaatgggtg 240
 gaggaagaaa agaagaagaa ggctgcgtga gagagaggga gagcttctga aatttctttt 300
 gggctgagtg aggagagaga gagagatgct ctctggttct aaaaagggtt ctctctttnt 360
 ctattatttc atttaagcta tgccacatgt ctccattcga gtggcgcana aagggccac 420

tttctctttt gacgtgaccc ataactcage

449

<210> 35651
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35651

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aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35652
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35652

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attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
ccatttctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
tcacttaaca gtcacct 377

<210> 35653
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35653

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aacaataat gaagctccct tgaggggtca cataatggaa ccaaaccaaa acagctctga 120
caccaacaag tgaatttaag atcttgatag aaatcggaga gatcattgag aggatataat 180
ttgagagaag caagatccat gagaaacaca aagaaatctt gatcaagaat aatagtcctc 240
tgaagtacaa tgaagacgag aaaacaaaat ttaaagaaaa tactatggac tgtcaaaaac 300
cagtggaac ctaagatgaa cctaagtctc catacttgaa caaacacat gatagccaac 360
gagaatattt acaatgatca actagtanat ccaaactcga aaatataaac tctcat 417

<210> 35654
<211> 389
<212> DNA
<213> Glycine max

<400> 35654
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cagaaatgga tctcagggtc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggttttcct gcatcatcca ttaagcaacc cccaaccca tctagcccag ctagecctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg ccctagaga atttggtat 389

<210> 35655
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35655

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gaatacatgc atattaatga ggaagtgcac aacggcaaag gaaatggaaa tgattaagac 180

tctcaaattg atgaatctaa aacaagtacc ggtcttgcaa gagagtgtac aacttcaaga 240
tagcatcctc ttgataatat catcggcgac ttataaaaag ggataacaac tcgacactct 300
ctcacagatg ttgataattg ctaaatatga gcaatttatt ataatacaaa tatattggaa 360
atatctttta caatatttat ttagcaatta tgtttggctt aaatgataag aattaatatt 420
cttattattt atcgc 435

<210> 35656
<211> 384
<212> DNA
<213> Glycine max

<400> 35656
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gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
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aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc cttactcctt 300
gtccctttca agaaaaaat accctaaata atgaagagat ttcaaagtgt caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35657
<211> 442
<212> DNA
<213> Glycine max

<400> 35657
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aaatgatttt gtgcatgaaa agttggaaac aacgtgttga aaaaacactt tctaaacatg 180
gcatectaaa cactgtcatt ttgagtaaca acattctgag tactgtagtc agcacaacaa 240
ctttctaagt gttgatttat cattacataa tttgtggttt cataacaact aacagatatg 300
ttgatttatg tgatgatctt ctgaacatga gcaaagtcac attgacatta ggttttcata 360
ctcatatcca acatttaata atgagtgttg tgactaacca cttaaaaatt cgaacttcgt 420

aagtgcttgg accttttgtt ca

442

<210> 35658
<211> 396
<212> DNA
<213> Glycine max

<400> 35658

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aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcctccttgt catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35659
<211> 430
<212> DNA
<213> Glycine max

<400> 35659

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tctataagtc ataactcttc taaatgcgcc tcttgaccac acatggagag tctataaaag 180
caaggctttg ttttgcattt tatatcaatc caatcaatct tatacaagcc ttgaatctct 240
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agaacttgcg ctattcatte ttttcatctc ttcaccctct gtcacaaaga attcgacaag 360
gactaaccgc ctgaatcctt tgtgcgcctc tctttgccat tctccaaacg aacgaacgac 420
taactgcctg 430

<210> 35660
<211> 383
<212> DNA
<213> Glycine max

<400> 35660

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agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

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<210> 35661

<211> 444

<212> DNA

<213> Glycine max

<400> 35661

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caagattaat ttcaagtttc aagaaatgac atccagaaga atcaagattc cagagaagat 180
gacttcacaa gggaagtatt gaaaagaatt tttcaaaaaa accaaacata gcacagtttt 240
gttttacaag aaaagttttt ctcaaaattt tctaagttac cagagttttt actctttggg 300
aattgattac tagtttcctg taatcgatta ccagtggtaa agtttgattt caaaagcttt 360
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<210> 35662

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35662

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tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180

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ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
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ccatcaatat ggatttgcag catgtattgt 390

<210> 35663
<211> 410
<212> DNA
<213> Glycine max

<400> 35663

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acactatagt tgtgcctatg ctctacggat tgccttctctt gctgggcata cgctttcttt 360
actgatcgac atgactatct aatatccaac atcttattcg tgcattcccg 410

<210> 35664
<211> 386
<212> DNA
<213> Glycine max

<400> 35664

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aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttggaag aggaatttt ccttcccggc ttggagtcct 300
ccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35665
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 35665

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 atgaaagcct aacaaagaca agacggaaac ttcctctatc catgagttgg agaacgctga 180
 cagaatagat aggaacttct ctatctacta atgggagAAC gtcaactagg aagaagacga 240
 atgatagata gctcctgac atggatctaa cgagaaacag aacaaatgtg ctcaaaggtc 300
 tttggaccgg acaatatctg aacgatactg aattgtc 337

<210> 35666
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35666

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 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaaatatc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttctg ctcttgccca 240
 ggctggagtg caatggcagc atctcggctc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctacgcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
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<210> 35667
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35667

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aggattgcat cttcgtcctc ctgcgcggtg gtgacagcaa cctcctcgag cttgacgatg 180
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 cggagctcgg gatcggcgct cgacatcttg tggaaggaga gatggacaca gagagataga 300
 gagagagatc ccgt 314

<210> 35668
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35668

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 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35669
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35669

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 attgcccaaa accaagcttg accaatcctg acccaaccg ggcatagtca gttagtgaga 180
 acctgtgacg tacctaaaca ggcgagctcc tggcagtcaa ccgataaaaag aacaaagacc 240
 acaaagcaag taggcttgtg tgggtggctgg ccagctatgg atcttgagtg attatggcct 300
 ctggtaatcg attaccaagg gtgtgtaatc gattacaagg cttaaaaatg aagacaagaa 360
 gttaagatgg tctctggtaa tcgattacca aggggtgtgta atcgattacc aggcctaaaa 420
 atggngtcag gaagctgaga t 441

<210> 35670
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35670

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tgccaaaatg tatttttggc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaaggtg aggtagtgga gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
ttatccctcc tcctttacca tgatgagaag gatggggtgt gctctgttgt ctctcagtc 300
ctgagagggg ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35671
<211> 409
<212> DNA
<213> Glycine max

<400> 35671
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ggcgggttgc agcaccggct tcgctctcct aactgtactg gaggcggctg acgtggcttt 120
atcctctata gttttctgga cttttaacat gacctccgag atggaagcca tttgatcttt 180
taaagccgat agatcggcct tcctctgttc ctgcacgccc tcttcagtat ccatttttct 240
ggatcgagtg ttataggggt gccttggtgt tttcttagct atgatgaaat tcctaaagaa 300
ataaacaacg gcgagtatgc caccaaaaca tgaatatgca aatggatgat cggagcactt 360
ggatccaccc caaggtttct agataacatg atgatgtcag aacttctca 409

<210> 35672
<211> 453
<212> DNA
<213> Glycine max

<400> 35672
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agcttaggct acacacaccc ctctaataac taagtcaca tccttgagaa gctgccttga 120
gaagattcct aaagaagcta gagcttatct acacacacat ctgtaatagc taagtcacc 180

tccttgagat gagaagctag agcttaagta cacaccccct ataatagcta agctcacccc 240
catgccaaaa tacatgaaaa tacaaaaaaaa agtccctact acaaagacta ctcaaaatgc 300
cctgaaatac aaggctaaga ccctatatta ctataatggc caaaatacaa gcctagaaga 360
agatttacac agaagagtgg acccaacctt ggcccatggg ctcatgagaa ccctaaggcc 420
ttcttttagca gctctagccc aatcctcttg gag 453

<210> 35673
<211> 365
<212> DNA
<213> Glycine max

<400> 35673

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tgatggggttt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
ccttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgc cttctcaagg 240
agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
tggggaattt ctcttgata atatcctgaa gagtgttttc cagcttgatt ccattctccc 360
tgtca 365

<210> 35674
<211> 460
<212> DNA
<213> Glycine max

<400> 35674

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agatctctcc cttatacgtc ccttaaatat gggcacggag caaacacgct gcgggccatt 180
tttactctgc catgcataag tatcatatac ctttttgctt atgtgcagag aatattatca 240
tactgtgtac atctccgcat tgcgtctttt gcatacgcac cgcatatggg acctgtcttg 300
atcccttctg tatacaaacc aacggagggg ccgtgtcgcc ttcttaaaaa cgtacgctgg 360
ggcactttgc taccctaga cattgtgtct aagaagggtga cgaagtcctc cggacccccg 420

cattcctaga tacatcttgt gtatatgcac tccttcatgc

460

<210> 35675
<211> 396
<212> DNA
<213> Glycine max

<400> 35675

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attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca tacccttttag catttatattt tccttctggc tgtagatttt tacaggataa 240
tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt cctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35676
<211> 308
<212> DNA
<213> Glycine max

<400> 35676

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tatggctttg gtgatgcccg acttcactat gacaccgagt gcatgaggag aggcttgata 120
tggcattgga ctcttgactc ttagacttat tgtgaaaaaa tctcactact taatacatga 180
cctattgatt atcttcatcg tagatgggaa gatctcaagt actatatata accgtgctga 240
gcatgctatg caatgcacgc tatacggact atgcaatatg caatgtctac ttccctccct 300
gttggcat 308

<210> 35677
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35677

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cccccttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aataacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttattttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35678
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35678

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 tgacctgaat aaaaaacagc tatctatgtc tataacctgtg tctatatatta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtaag tatttgcaat ctcttcatac tccttttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35679
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35679

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 cagctcgaac tactgctatg tctcgatatg ggctgagccg agactaacgt catcccactg 180
 caatcctagc atctatcctg aacacgcagg gtaactagtt gatcgcaaga ccatactatc 240
 tttatagcgt gtcatacgac actttacatg gaccatattc ttgcctatgg aggctcaaaa 300

tgaaacgctc tacgtacgac gtacacatat gtacctctaa cttcttaagt acaggtgaca 360
 tatggggcat ttcatgatg tactcactcc gacctcttac actggcgagt ctaagagatg 420
 agaacctcct gataaacgcg cttgtttacac gtctatctga agtgacgaca tggtcacaa 480
 tggccttacc aagctcgga ccttaaattgc cggaaactaa caacagtatc cagtcgtact 540
 atactctatt gacattaccc g 561

<210> 35680
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35680

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 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35681
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 35681

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 agcacattaa aactgctaca tctatgccca tatctattaa ggtcttgatg gctacttgga 120
 cacaaccgat gtgtaaatac ttgtatttac ggctatgttc ataaattgag ttttttgaaa 180
 gcaaattgaaa cttttccct atgtcttgct ctagaggaat attattttct actgttttta 240
 ttatataatt aaagttatgt ttgtctttta ttgtttcaag aacatacagt gtatcgtgag 300
 ggatttctgg gatgttccag tcatccatat ttgatatat atctttgaat cggacttctt 360
 catcgaagag attgtgtttt gtggcgacct catgggtctg ggtttcatgc tcattgagaa 420

aattgttgct cttgggtgac atcattg

447

<210> 35682
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35682

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 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccatttctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnetgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcaettaaca gtcacct 377

<210> 35683
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 35683

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 cactagtcct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
 cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
 tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
 aggttttctt gcatcatcca ttaagcaacc cccaaccca tctagcccag ctagcctctc 300
 ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
 cccagtctgg cccttagaga atttggtat 389

<210> 35684
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35684

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aagattccta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct 180
ccttgagatg agaagctaga gcttagctac acaccncta taatagctaa gctcaccctt 240
atgacaaaaa acatgaaaat aaaaaaaaaa gtccttatta caaagacaac tcaaaatgcc 300
ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag ggccagacga 360
aggaaatacc tattctaata ttacaaaaga taagcgggct catacttagc ccatgggctc 420
gaaatctacc ct 432

<210> 35685
<211> 384
<212> DNA
<213> Glycine max

<400> 35685
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gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gatcttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttggtt tctatatccc cttactcctt 300
gtccctttca agaaaaaat accctaata atgaagagat ttcaaatgtg caactgtatt 360
acatggtcta caacaggagt tggc 384

<210> 35686
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35686

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tcttggtatc agagaatcac ttaaaattag cgagaaaaat tgtttccgtg aagaaaatcc 120

aagccgaggc gcttccataa cgcttccgag acattttcgt ggggtgatttc gcgaggattt 180
atcgncgttc ttcacggtc ttcggttcgtt cttcgacgtt cttctgtctt caaccggtaa 240
gttcccga aa tcgaactttt caattcattc tatgtaccct tacgagtcct catttgtctc 300
acgtgttctt attgttat tt catttacttt ccgtaccccc ttttgacgtg ctttaatcat 360
ttattcaagt cattttctcg cc 382

<210> 35687
<211> 396
<212> DNA
<213> Glycine max
<400> 35687

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aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcacctctgt catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35688
<211> 383
<212> DNA
<213> Glycine max
<400> 35688

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agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35689
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35689

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 gcacaacaaa gctttcacat ccacaatgcy cgcataaacc caccatcccc tgttgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatctnnc tcgttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttgcacaaca tccaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaat gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcacgt 320

<210> 35690
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35690

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 agnnanacnc acagctagny cgcactgaca cgctaagcct agtgttcctc aatgtttgta 120
 tttttgtgtc gggctaagcy ccagttgcac gctaagccta ataagcttac tggctcttnt 180
 tgttgcaatt gggctacatt ntgggttaact tttatagtta acacattttg aggcattgtt 240
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 tgatttttga gtgagcacgc gttggtgttg ggtgatggtt ttgtgaatta aatgcgtgtg 360
 agtgagttgg ttagcttgca tgacangaaa ttgtggatga aaaactaaat gcttcacatt 420
 accgtgtgaa gtgtgtgcac ttaattgcat gagaaccact gaatcaatnt cttgattttc 480
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<210> 35691
 <211> 373
 <212> DNA
 <213> Glycine max

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t 301

<210> 35694
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35694

cacaatattc tctaagattc tcttgatctc cctgttaaaa atttctgcct gtccattgggt 60
ctggnggtgg tatgggtgtg ataccctgtg taccaccccg tactttttta gcaaggcatg 120
cattgttctg ttgcaaaaat gggttccttg atcactaaca atntcttttag gtactccaaa 180
cctacaaaac agattagacc tgacaaaatc tacaacaact ntagcatcat tagttctagt 240
gagcttggct tccaccatt ttgaaacata gtcaactgca aggagaatgc taacataacc 300
aanagagaca tgaaaagggc ccatgaaatc tataccccag acatcaaaca cctcacagaa 360
tagcatantg tngtgaggca ttnggtgtcc g 391

<210> 35695
<211> 205
<212> DNA
<213> Glycine max

<400> 35695

caatccaatc cttgtgtccg gactctcagc cacttatgat agccgccgat gatccatta 60
ctgcttcccc taagctctct gtcccttctt cacgccgcat cccatgcctt gcgaactcct 120
tggagtaacc tcgcgttggtg gtcactgaaa ccccggtcga tgaaaggcgt gatgctttcg 180
tctgatggca ctctctcat gggac 205

<210> 35696
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35696

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 ggatgcaagc tacaccttgt ttttcttccc tgacacaaac cgggggggtgt tgatataata 120
 tcccatcgac accaccggga aaagggtatt aatataaact gatggagggc agtgacaata 180
 caccatacaa gaacagacac aatggtgaat tgcgacagaa aaaagttacg gcatattgca 240
 tatactgtgg tagcttgact ccaaagagcc tatccgataa cttaccaagg gccaaattaa 300
 aaggatatcc ctacacgaca ggggttaccag gggaaagaca acttccattc atatattaag 360
 gccgatatat catatacctg ctcagcagat ataaaggcta cgacatgaag atgct 415

<210> 35697
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35697

agcttgata attatgggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ctttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gtcacgtac tcccacgtag cccatctcct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa cagagcaaag gcagaaaact ctgctcaaca catcaacca 300
 aatcacagct tttctcacgt aaagaccaca gtaacaattc cttcgatcca attcgttaac 360
 ccgtggatcg actccaaaat ntactggaag tctat 395

<210> 35698
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35698

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 caagtattca gtggttctta gaacacttaa cctgaaagtc taagcaatta agatttaaca 120
 tatcaacaat gggcttgaaa tatngtagag tctactatct cttggagaaa tttcagttat 180
 aagagcaagg gtaacatgga tcaaacattt taatccatgg ctgactagtt tntgattata 240

taaaaacaaa gtagttgatg ttgaagtnta taatattaag aaagaaaaat ttcaatggaa 300
 gttactttgc cttcaggagg gaattgatca atgtgagaat atataacccat taagttacat 360
 t 361

<210> 35699
 <211> 235
 <212> DNA
 <213> Glycine max
 <400> 35699

agctttctcta tttcttgata cccattctac attttcagca ggcagagggtt ctacaacaga 60
 atgacctcca cggccatgat agaccaaatt ggagagattc cccatctgag atggaatcct 120
 ccccatgaat ccattaccac agacgtctgg gtgagtcaaa gatgtcattg cacataggag 180
 agaacgaatt gacatacctt cttcaaggaa ttcattggcg ctcacgtcaa gatat 235

<210> 35700
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35700

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 caatacttcg aaatggattt ccactgaatc tattaataga cagatagaga tatcttaatg 120
 atgaaagttt tcaaaatgat cttggaagag caccaccaat taagttgttg gaaaaatcta 180
 gcatgtcaat atttctaaaa gcctcaattt gatctgtcag attgcctgaa agttgtgaac 240
 tccgaacttg cagtgttggtg agtncatggg aaatac 276

<210> 35701
 <211> 273
 <212> DNA
 <213> Glycine max
 <400> 35701

accatatgag tattgggata gggaagcgaa tcgtgggctc tatcacctga taccaaacca 60
 gataaccacc aaagctatca actctaccat catacatact cgatgcagtg taattcccat 120

agacctttgg tacttttaggc tgggacaccc atcagctgaa agaatacaat gtatgaaaac 180
ctattatcct cttctgtgac accctgtacc cttcacatat atattaataa acgaatgaaa 240
agtcaattat taattaaaag tattttttaa aca 273

<210> 35702
<211> 241
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35702

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tgggagctct tctttntca tgttctccat tttctttgat tcttctggtt tttggtctct 120
cattaccatg agaggctaac ttacctattg ttgggggctt ggataccaaa cactgatgta 180
atgatctcta ctattccatt aatgctattt taatggtatt gcttccttct atgataattg 240
a 241

<210> 35703
<211> 489
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35703

aggcagccct ttggctgcta nactgccnan nttaggtaag acgcgccgat ctatgagctg 60
ccctgtggca tgcaggctct tttacttttt tcttgccag acccattcag cgtaggtata 120
tttccggttg atgttataga gatgcgcctg gtgatcgta ccacaggagt ggtgcattgt 180
gccacagtct tactgcacaa cttcacatat agaaggcgtc gtatgccag tagcatactt 240
tccagacata cacgtatact cagctttgac gagaacaaac gatgaacatt ggcattggcga 300
aactgatggt ttgacagttg accccacaga cctgaagacg agagccgct atcaccattg 360
atatacagaa tcaacatatc gaagtcttgc ttcgcttaca caacagagta gtatgcggat 420
gcttaaataa ttggcgcgga gaatgcgcac ctaatatatc atccatgcat actatgcgct 480
cttganaag 489

<210> 35704

<211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35704

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 caaaacttat tttataaagt aaatatataa tataaattta tctttaatgt atattttttt 120
 acataaatta taatttcata aaataaaaagt attttattat cttattaata tttatatatt 180
 tgatttaatg acaatatctt ttatctatat taacatattc ttgttattta ttatattagt 240
 attgctttta tttatattta actctattta atcagatata aattttttta aaagaagnta 300
 aatatatagt aaagttacat aattactatt ttctattttt taaaatattt atgtatataa 360
 attaattcgc attatttttt tatctatgct ataataaat 399

<210> 35705
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35705

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 tctagagtct tagaaaggtt atatgaaata ggaagggaat tccaattgaa gtacccaaaag 120
 gtttggccaa gaaatttaag ttaaaaagtt tttttcaaca aatttactct ctggtaatcg 180
 attaccagag gatgtaatcg attaccagtg gccaaaactg atttacaaca actattaaaa 240
 tttgaattca aaatttgcatt tgtgtaatcg attacacata tatggtaatc gattaccagc 300
 agttttctgaa tgttttaatt caaattttta agcttgtaat cgattacaca tatactgtaa 360
 tcgattacc 369

<210> 35706
 <211> 527
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35706

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atttaantna gctngcgcgc cgggatactn tagagtngan gtgtaggcat gcatatttct 120
 ttatatatta ttcgccggaa tcggacgtag agtgtgataa gttatgacca tttgaatttc 180
 tcgagagctt acgatgttga atatatagcg tatcgatgta ttatgcgcct taatcagact 240
 ttagtgtgat aagttatgga gatctgaatt tgttgagagc tatggatgat aagtaatgag 300
 cttattttata taatgtactg cttaatcggg ggtaagtgtg ataagtcatg acaatatgta 360
 attatcgaga ggggtgcggtg ttcggttgcaa agatcatgat atatttagaa actgagttga 420
 gttagatttg caaagttatg acgaatttac ttttgaatag atttcataga ggattttcttg 480
 agtatagata tattttgtgga ggaaagaaat agtgtgaact tcttaag 527

<210> 35707
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35707

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 tctctctgac actgnagaca caagcccgcc accngcactn cctggagggc ccaagngggn 120
 cnagnngcna tttgttcccc ccccggnnac caaaanccac ccggggcctt gnttgctgat 180
 tntttttccg taatgttacg gaactttacg aattccgtaa tgataatttt ttccttccgt 240
 aatgttacgg aaccttacgg attacgtaat catccctttt ttggctttcg aaatgttatg 300
 agacctcacg gattgtgtaa caatgctttc ttttgatttc cggcatgtta cngaacttca 360
 cngatcgtgc aacaatgctc tcttttgact tctggcacgt tatggaactt tatgtattgt 420
 gcacaatggg tgccaatacc tcgaagcgtc aagcaatgtt gctgccataa acaatggcca 480
 cggacgaaat anggtatata gttgccctct tactaccttt atcgagatag angaaacaac 540
 ataaa 545

<210> 35708
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35708

agctttatta tttattcttt ctccctatta atatatcttg tgttggtaaa tccacacatt 60
 taattaagtt actaagttag tcaattaatt aagctcagct taacatctag cagtatatat 120
 aaacatgcac ggaaaggaag gatagtttaa atatatatat atattcttgt ggtatttcag 180
 taacctacat aaattatcga ctctgttgtg taattaataa actctacgtc accagtatgt 240
 agaatatata taaaagatat aaacaatgag caaacagcac cagtgggtcta gtggtagaat 300
 agtaccctgc cacggtagag acccggttc gattcccggc tgggtgcatat tgtttctaac 360
 tttttatcta tgcagtctca tca 383

<210> 35709
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35709

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 atcattgaag acannaatth attccactta taacatatan gtttaagaaaa gcaatctcat 120
 tgttttttaa tatatttcta atttctagta tctttcttaa ttgntacttt gatatgttat 180
 agtttataca ctattatntc tctcttttga taagggtaca tgggaggaaa taataattta 240
 tgccaaaaca cagataaata gaactaattt ttttctcaaa atgacatata cangaaatga 300
 ngcatacttt ttttt 315

<210> 35710
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35710

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 anagctcaga ggtagattcg gaaagataag tgtcttctac taaccaaacc aatgctccta 120
 agttgataac ctgcttggac ttgccgcagt atgcaatctc aatcccagct accttaaagg 180
 tagatgcta agcctcctta ttcttaacac aacacgcttc tttcatgaat aagctcccag 240
 cccctaaact actgtaataa aacaagaaaa ggtgacaggt ggtactgcta ccatgtaatc 300

attccgtaag tatgtttaaa ttgctgtcac aaatttttgt tccanacaac ttgcaattat 360
 attaaaaaaaa ttcattctatc 380

<210> 35711
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 35711

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 ttcccttcta tctctgccat aataaagaca gcgaaggccc taccgccttg agtgattcaa 120
 gagcaccttg gttgcttcac cagactaaca caagacttgc ccgctgaact ctcttgagag 180
 agcgatctct ctctctctag aatccacacc cagcagctct cagaccacaa ttgcagacca 240
 cccactata gccagaatga ctaaccggcc g 271

<210> 35712
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35712

tgccgccgcc acctgggact tttgtcattt tctttaccaa aaccagtcac tgaaaaagtt 60
 atgacttttg aaagaatctt cacaacaag tcacttgaag aattgtgact cttggaaatg 120
 tgtctttcga aatcagtcac tggtaatcga ttaccattaa ggtgtaattg attacacatc 180
 aacagatgtg actcttcatt ttgaatattg aaaatcttaa cgtgttaaaa cactggtaat 240
 cgattactac attctggtaa tcgattacca gagaataaaa ctctntggta atgattctgt 300
 gaanacttct tgtgctactc aatgttttga aaaacttttt aatacttatt ttgatagagt 360
 cttctgttga ttcttgaatc ttgagtcttg aatcttgatc ttggatattc ttgaatcttg 420
 aatcttg 427

<210> 35713
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 35713

tatagaaact cagctcatgc tacaaacatt tataatagat ctctcaaca gccaaacct 60
 ttttttcat aattattatg aaccttccaa ccattggatc cattccaggt tggaggaatc 120
 atccaaatct gagatggacg agtccctcac aacaacaaca gcctgtcctt cttttctaga 180
 atgctgctgg tccaagcaag ccatatggt 209

<210> 35714
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35714

agccttgaac tattgtttct tgtccctga aaaccattaa ggtggtaaaa attattgggt 60
 tgaccggaat tgacatcgac aagtagtggc cacaaatgaa taaaagggtg acttcatact 120
 tttttcatcc aaacagaagt caaatcttac attgtgttgt ataacacctc ggacgaatcg 180
 caccgaaatc aaaggaatct agaggctcta cangtatgag actgtatagt tgaaaatgac 240
 ttaaaggaat taattgatac tacttatact aataagatgt atttactttt cggtagctca 300
 tcacataaga actccacagt taagccgtgt tgactttgag taattatgag atgagtgacc 360
 ttttgtgaaa tttcttggaa agtgtgtgag tgatgaaaaa acatg 405

<210> 35715
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35715

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 gtgcaaagtt gaaaactcta ctatttagtt gttataattc anacactttt accgagacac 120
 ttgtangatt gagagaaaca ctagccttgt gaggattaga agttgggtgat tattcctagt 180
 gatctgtcat tcttgctaac catttcattt gaagtacatc tttgtctact cttttcatga 240
 acttatgaca atttgtaact tgagaattga ccaatgaagc tttttggaat gtatgtagnc 300
 atctcatg 308

<210> 35716
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35716

tgctatctta cgcaaagagg ggtgctaate tctctgattn tagaatgaac tgacccctca 60
 cctagaaaca gctganacac gtatgtgtgg aatatactac tatttatatc aacatagagg 120
 ccatccaaca cattctaatt gtcatacata tatgcatttg aaaagaacat acattctcac 180
 ggcgcaaagca ttgcgtcaaa actcacactt aatttatatc ctaaacattt gctatntaca 240
 aactacctac gtatgtttga aatatatata atacaaattt ttattgcttc actcacattt 300
 attcatattg gcaagctatt tacattatgc acacacttgc attcaaaaagg gaattccgtg 360
 ctatcataca ttca 374

<210> 35717
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35717

agtcnacan nnnnnnnnnn nnnnnnnggg gnggtacgga cnttgaccgg anatgncgtn 60
 aacntnatct agctaggcac cgcagggatc actatagaag tcganctgca tggccatgca 120
 agctnnatta aattcgntat atatggtnnn gaaaacaaag ccttgaccgg gcaggggtgag 180
 tacacttaag ttctcatcgg cgatcaatct ctcttcattt tgagttattg aatgacaaac 240
 cgccatgaga tcacattgca tatactcaca agagttatgt gtggagtaat aatactgctt 300
 tctctgtttt aatatgtcag atgatatttt aacttgcagc caatgatctg tgtttgctac 360
 atgaagagaa acaattttctc tataagaatt ttgacatgaa tgatatgggt gatgcactct 420
 atatcgtcgg cattaagatt catacacata gatctctacg tatcttttgt ctatcacang 480
 aaacctatat tatcacaatt ctagagagaa ttttgatgaa agattgctcc ctagtgtttg 540
 ctccattgtg aagggtgata ccgctcagtt cgaccaatag accaag 586

<210> 35718
 <211> 288

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35718

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 aataccatca attcggtttt gtctaagaac accatcattc cctcttctcc tcctttcttc 120
 ttcattatga tctctattct ccatttgatc caacctctca tggagcgcat catctcgttg 180
 tttcattaac ctctccaaat gttgcatcaa agcttgcatc tgggaattgcg aaagccccac 240
 tccatcatta agattagtac ctgacatctc atacaaacaa atcaaacg 288

<210> 35719
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35719

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 ttagagttaa tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcatcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgt 266

<210> 35720
 <211> 483
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35720

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 gaagaacata tgatctttga cgacgtcgag aacggcagag cgttgcgaaa tcttcacgga 120
 aaacgttacg gaaacgtttc ggaagcgctt cggcttagat tgtcttcacg gaaacaatcc 180
 ttccaagcaa attcgataga gagagaagtg cctaaggggc taaaccntt tcttcttcac 240
 ttctccccc tattatagca naatagggga gatggntgcc gccagctcg cccaggcgag 300

<223> unsure at all n locations
<400> 35723

agctctatatt ttatttttagt agtgaccac taacctagaa tgaaaataac ttantgccat 60
taacctacgg aattaaaaat aacttaatgg ctgagtgtga ctgacattat ggcaacaaaa 120
tgtcacccgc agcagccaac aagtcagcca cggtttggtc tcccaaaaag ctgatgccta 180
ggttgccaat tgggccctta ttacaacttg aaacacacct ac 222

<210> 35724
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35724

ttgaacgaga tcagtatatt cattgcacac ataaagtcgt ttacgtgggt ggngatatct 60
tntggggggc gctgatgcag tgaagttagt caatgcatgt aattnggagt ttttgataaa 120
cagtacctac aaaacaaaca ggtacagact ctcaactgctt gattntgttg gggtagacacc 180
aactgggatg acattctttg ccggctttgc atatctggag ggtgaacgtc ttaataatgt 240
ggtttgggat ttataacgct tttgaggtat atttttaaga tgtgatgt 288

<210> 35725
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35725

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tcattctgct tacttttaggt attccttttc tgtgttttaa gcgagtttcg accgatcggt 120
taagccgtaa tctcacttaa tcgatgttta aatgaatttc aaccaaccat ttgtgttgta 180
atctcgttta atcccccttc aaataaaatc cagccgattg ttcacgctat aacctcagtt 240
aaaaacaaa aaataataaa atatatgaaa ataataataa aatatatgaa aataataata 300
aaataattaa agatctaaaa ataagaataa ataataata atgtccgccg acatttactt 360
tg 362

acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
ctctctttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caacgagggg 180
gtgatgatga cataaccaat ggcaaggacc atgaagcact tgaagggtccc atgaccagag 240
gcagacttaa acaagcccaa cacatcatag agacaaagct ggtcatttgt atagctgtca 300
ttgatgatg 309

<210> 35729
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35729

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gnnttggggg ctttgtatac cccctgttga cgtgcttaag ccattntact taagtcattt 120
ctcgcttaac ttagaaatac aataaatntc caccgaacgt ttgaattgta ttatccatta 180
acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaan 240
agaggtaaaa aataatataa taattcaaaa agacatcttt tagtagaata aagcgganaa 300
tcaatcggac gttttctttt tgggatttct cattctt 337

<210> 35730
<211> 360
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35730

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gttggttggt accctttgtg atgaattnng cgaactcttt gtnntcgtgg gagccagnna 120
atgacttgca gtagaagtac cgagaaaagt gagaattntt ttgtggagcc cgctgagcca 180
aagtgatgac gttgggatta ttttgggaga gagttgtgtt ttgttaatca actccttcat 240
aactagttcc ataattcttt tgttgaattg aggatgtaaa tcacaaattt attttccatt 300
atgcgaatga tgtgtactga gttactatac ctatatatat atatatnatc atttacttat 360

<210> 35731

<211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35731

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 gacgcgcggc agtttaacta ctttcgcgtc acagcccccA ngaagcagcc ggacctcatc 120
 aatcaactgg atacactcgg agacattctc acgggacaca aattccaatt acacatgtac 180
 acaacactgc agatcaataa tcatataatt ggcattgcacc ctaaaatcta agactaaaag 240
 tgcgacataa atcatggctg agataataat atgctctatc agcaatgtgg aaagaccatt 300
 aatagtgcga acatctTTTT gtttctttta atatgggtac aatgtaaaca tcgagtactc 360
 gatatttctt acacacaact 380

<210> 35732
 <211> 331
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35732

 tactaaagtc tcttatgcgt gtggatcaaa atgtatgcat gcatgtaaaa tgattattnt 60
 aggaaatcat ttaaataatac aaacatatat actatgcaga anatactagt gaagtagtat 120
 ctaacatgtc gtgaagatct tacgaactaa tcaaaggtag aaaatgtagg ctttctcaaa 180
 ggttacgaca ttaatattag tgttacgagt cttgaaaggc actataagtg tatggatagt 240
 gggccataag ataattgttc agcatcacgt agtgcacaaa tgtcacgaat ccaccaccac 300
 ataacatggc ccattcaaaa ctcaacgtac t 331

<210> 35733
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35733

 gcctacacat atgtatttgc caccttacct tagttagaaa taaaggcaat tatatttttg 60
 gcagcctcat acaaagcctt atcatacaag cggtccttaa caaatgtaaa agttgaaaag 120

aaatgttctt cctctagaga ttgagtgaca ttgagttaaa ctcaactaaa ttataaacac 180
acaccttaga catctntaat gaaggatctc agagatggat cttgcactca aaatctattc 240
ttgccaagat gcagcactag agatgcaggt gggatctcca tgaagaacct cactgctttc 300
aaaaacaaat aatggtctaa tggctatcaa cctatcatg 339

<210> 35734
<211> 249
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35734

cactcagagt tgcgatgaag acgatggcac gggcaacacc agagttgcgg cagagacgaa 60
gatatgcaac agacgtgagt gaattanggt gtggagctaa taatatttta naaaatcgag 120
ttcattagca tcagttttct aaaaaaacg atgttaactt atcatttacc aacatcggtt 180
ttgtcaaaaa ccgatgtaan ggagtgatgt aatattaata tcagtttttt aaaaaaatca 240
tgtaactta 249

<210> 35735
<211> 293
<212> DNA
<213> Glycine max
<400> 35735

ggccttctt cacttcttg tctccaatgc gaactttgac cattgttctt ccttcccgca 60
atgcttcttt tatagcctaa accatacttc ccacgatttc cttgagtatt tatcaggcta 120
gttatgccgc cgttgttttt tcttaaacc atcccggtt caaaaccgtt ccccaacata 180
actcgggcca tcattaccgc tgcacggac acacaagggt gcccaaagag ggtgtccacg 240
gaggaaatgc tgaccacctc aaaagactgg aaagcagttt ctaacgattc ttc 293

<210> 35736
<211> 332
<212> DNA
<213> Glycine max
<400> 35736

ctaagctctc acagatgtct tcacaataat catcacacaa cagaaaaacta ttatttctcc 60
cctcatattc tccaaaaccc cgttcccgtc gaaattcaga agggaaggaa ttccacccaa 120
acctgaaatt ttgaagtccc actcgtagcc acgcacttca cgactccaaa aatgctctcc 180
tttcacgaat tggggcagaa atggtggcca aagggtgaag ctttgctttg agcttcaatg 240
gagaatgaag aagagaaagc tacgtgagag agggagagaa aaggcttctg aatttctgct 300
ttggctgagt gaggagagag aaaagctttt tg 332

<210> 35737
<211> 259
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35737

gttagtcttc tttcctgtaa ttaagaattt tatctagggg gaaatttaat taaatttgaa 60
ggttaaaggg gcccggtatt ggctataata attggttgaa gtgatgcang gaaatgtcaa 120
gcataactgc attgaaacca catgataaag ttcttttcaa aatgacagca aatttagtaa 180
gtgttctaga tcatggtcat tcaaaagaaa ttggattcat gagtcanaat tcagcattca 240
aacatactat ttgaatgat 259

<210> 35738
<211> 518
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35738

nggccgctta aangactgag agtgcccana ncatacacac acanccccgn aggaatctct 60
aganaacttc aattatggtg gacaatttct tattatcgtg ctggaaacaa atgtnctaca 120
cgtggagtaa tgacatgcat gcctctataa cccttaccac ccactctgac ataatgccga 180
gactcacgaa cgccaacagg cttagccttc tcttaataata ttgaacacaa ttcaatggct 240
tcttctgcaa tgtacctctt aacattggat gctattggac gatatagatc ctttgtatac 300
ccttttaaga tcttcatgta tcgctcaacc cggtagacata accgtagata aacaggacca 360
caacatttga tttctctgac catatgcaca atcaagtga tcatgacgtc caagaaagct 420

agcttgccctg tcttatgcat cagtaatgat ggcccagagtt atgttgggga acggttacga 60
 acccggaatg ggtttatgca aagacaacgg cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcat gcggatatga agagaagcat 180
 cgcggaagg aagagcgggt gtcaaagctc gcgttgaga caagaaagtg 230

<210> 35742
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35742

nggtagcccg atcgtagcta ctgatcaana caaccagga actagacttg tagcttcatg 60
 cagaaacatc ttgttaatta acccaaatta gtttagagta gagaacatga aaatcggact 120
 tgctagtaga atcgggctgc ccatgattgg aatctgccct aataacgtgg gaaatgatat 180
 caatgggtgtg cgatatatgt gaaatgtacg ggcataaat tcctcgcaag atgaataata 240
 gtctcctaaa tgaatgttga tagcgtggaa tgccttttaa tgcaatatgt gcagatgtag 300
 tagctttcca tatgctataa atagattgag cgaacaatga catttgatgg cgacttcaat 360
 gttgtaggta gttggaaaca atgttaggta taaatagtgt aagttgacca cccttgacat 420
 gaagtgggtt ctttcagatg atn 443

<210> 35743
 <211> 220
 <212> DNA
 <213> Glycine max
 <400> 35743

agctctatgt gtgctgaacc actttatcaa taaacacgag tcgagtgtta ttcagaacac 60
 tagagcttat ctctcttctc ttagtgagag tgattctcct aaattcttga gtgattcacg 120
 aacaccctgg ctgtgtcaaa ggactctcac aacctttgtg tgttgccctc gctggagaga 180
 gagattcttt ccttcctatc atctgcaccc ttgttctttc 220

<210> 35744
 <211> 264
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35744

toggttaaaa catccaaagg aggtttccat tgggaaatga caatgccaca cgaggattgc 60
gcaacttcac tccctaagaa gtatttgagt ggacccatgt cttttgtctg anactgacta 120
tggagacgag atctaagtca gagaataccc tcagaatcat tgtcaataat gacaatgtca 180
taaacataga caacaagcta catgcaacga ctagatggag aatggatgaa aaacaccgag 240
tgattagtct cacaatgggt catg 264

<210> 35745

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35745

ccaaccttgt tctttagatt atcgacagat ataaagctga tgcctagtag aacctatcca 60
cgcttgcccta tttgtgatga aggtagaaag aaaggatcca aactatactt cagtgaagag 120
atgcccaaca aaagacaaaa ggtgtagatc actaactatt caaggtagtg gaggacctta 180
ttcagcaaca acaagttggt gaaggagttg gacaatcatg atgcttacac ttcattggaat 240
tagactgtat ggtttgatat aatgaatgtg tccacttcca actatgtaga ttggcccatt 300
gaggatgatc acaaggactc aatatagttg ttgcatccaa tgaaggatata ccaactctgat 360
gatgtctctg cttgctntat gaagaatcca aaagatggat tcatcaagca tc 412

<210> 35746

<211> 150

<212> DNA

<213> Glycine max

<400> 35746

tcaaccatta aaagaacaaa aaccacaaag caaggagcct tgtgtggtgg ctggccagct 60
atggatcttg agtggtatct ggaatttggc ctctggtaaa tcaataccaa tgggtgtgtaa 120
tcgattacag ggcttacaaa tggagacaga 150

<210> 35747

<211> 268
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35747

 ggctgcaact ttatattttg tctagagacc gctaccccag ccaagctatc ttggagaaaag 60
 catancaact tctatccctg gaatacgcac ccattcttgcg aaatacattn tgagatgatt 120
 cttatgacaa gtcattccctt tgtacctatc aaaatcaggt accttgaatt tcggtgggat 180
 gacaacatcc ggactaaga aaatatcagt catgttcgcg aatggatagt cgccaaaagcc 240
 ttcaacaacc cttaattctct tttcgatg 268

 <210> 35748
 <211> 176
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35748

 taaagcatgt caaaagggga aacanattat aacctctntt tcaagcaaaa gctctgtctc 60
 cacctcaaga ccacttgaac tgttacatat taatctattt ggtccaacta gaacaaaactc 120
 tgtcagtggg aagagatatg gtctggtagt agtggatgac tcctcaagat ggacat 176

 <210> 35749
 <211> 127
 <212> DNA
 <213> Glycine max

 <400> 35749

 agcttcttat catttaagtg tctcatctca attcccaatc acagatatgt tatacataga 60
 ttgtgcgagt catttcccat caaatcaagg ataatgcgca tgatcatcat ggatcaatat 120
 gtctttt 127

 <210> 35750
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35750

cgcccggttac aatcggtgag tacctcgagg aagttgagga acgggaattg gtaagtcatt 60
 caatattgaa attttaattt taaattcata tataaaaatg aaaatttgaa ttntattgaa 120
 attaaattac tttatccaaa caagaaaatt aaaatacaag aatttgaatt gcctcatcca 180
 nacaaaatat ttacaaaatg aaaggaatta aatcagggca tcaaaatggt tgtattttaa 240
 tttctagaaa ttttaaattct 260

<210> 35751
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 35751

agcttgctgt tgacatgtcg acaaggctta ttgaagtggc taacatgtaa gtagcctgat 60
 tattggctat agttcttgta gtttctataa tattctttaa tcgagatttt cctatgctgt 120
 attttgaatg tatagctatg tctctttata tcaccaatgt ttttttaatc agctaaagaa 180
 aatatattac tgatggtaca aggagtacca tgtctcgtat acgattgtgt gtatgatgcc 240
 cttcaaccca aaacaatgca gcctccctaa tgcagagaat aaattacatc ccattttaa 300
 cataacatat ctgagcaact gcaattgaaa cccgcagcct gcataacaac aaatcacagc 360
 tgtccaacta actaaactaa aactaat 387

<210> 35752
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35752

cgccacccag ctgcccagg caaactaggt tgcttctctc atatatcacc gccttctgga 60
 gaacttccgg gaaggccan atgggcttan ttgctatttg caccctttt actaaatata 120
 ccccttgcc tttntttgct gattcttttt ccgtaacatt acggaaaact atgaattacg 180
 ttatgatact ggttntcctt ccgtaatggt atggaacctt acggattaca taatcatccc 240
 ttttttgcc tctagaatgt tacggaactt tatggatcgc gactaacac ttcttntaa 300
 tttctggtat gttacggaac ttcacagatt gtgctacaat gctttctttt gacttccgac 360

atgtct 366

<210> 35753
<211> 350
<212> DNA
<213> Glycine max

<400> 35753

agctgtgcgc tttattacat aacttaacca agagtgatat cttccatttc agatcccat 60
caaaaggaga aagagaattg atatcatcag tgactaacag aaaatgaagc aaaacttgat 120
ggctcttttg attggattaa ttggtgcagc cgtcacctta tttgcttact cacaaacctt 180
cgtatcacca agtctgtgca tcacacttgg ccttattgtt ctcatgcatg ttgggcttgc 240
ttgtaagaga aggtctgata tctttctaata ttcttcttgg ttttcttttc cctttcagta 300
tttccttcat ctatgtatat gccttggtta tgtgcaataa taagtctttg 350

<210> 35754
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35754

cagcctaattg gatttttctt gattaatggg aatggccata ccctaatttc gtccggggac 60
ctttgcttga tgacatgcga cctttctttg gtccttgcca ggtgcttggc acccatcatt 120
atggcaattg tgaaattccg ggacatgccg aanaagaaaa aaaaatattg atg 173

<210> 35755
<211> 377
<212> DNA
<213> Glycine max

<400> 35755

acctctggaa gtttttctct tattgaacct cctaaagaaa gctacataaa gctgcctcgg 60
taaaaacgct tcccagcctt tggttaaccgt tggatcttct ccaaattggg ctgcaccttc 120
acacgacact tgtccatgat atgaccgttg ggatctttga cgcaatatct ggagtgtgct 180
cgatgcttcc gttcccaaga gcattttctta ttttaagcact tcagcctttg ctgtcgtgta 240
gattaggaaa aacgtcattt cttcttcttt ctttcttcca aagccatttc taaagttcca 300

agcaattttct ccatacccca cagccacccat tagccaccac aaaccatcat tggttctccat 360
tgaaaaccca caccgag 377

<210> 35756
<211> 281
<212> DNA
<213> Glycine max
<400> 35756

tcaagtgttc gcgatatgtg aaaatgatgt tccgagtact tcggatttgg tccgaccatt 60
gccctctgat ttccagctgg gaaattggcg aatggaggaa cgccccggcg tttacgcaac 120
aagcataatg taaaccttta cggtttttaa agctctatag ttgggcctat gcttttagagt 180
tttctttttt gtaaggcttt gtggcttttg tttttgaatt tataatacaa ggatctttct 240
tcattctgttc ctggtctcta cccattctca ttcatttgca t 281

<210> 35757
<211> 350
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35757

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ncaaantcca accctggtga gttttattcc acccgattcg gacatctgtg tgaaaagtca 120
tgatcatttg aatntctcga gagtttccga tgtttaattt cgagcgtatc gatataattat 180
aacctgaaa tcgacctcag tctgaaagtt atgaccattt gaatttgacg agagctttcg 240
ttgttcaatt tccaatatca ctgtatgtga tgcgcctcaa tggacattcg agttanatgt 300
tatgaccatt tgaatttctc aagagcttcc gttgttcaat tctgagcgtc 350

<210> 35758
<211> 202
<212> DNA
<213> Glycine max
<400> 35758

tgtgattagt agtatgactg aaaatggttag tcagtttgtc agattgattg tgaaggaatg 60

cacattagct aaagctttgt tagcctgtga tggatgcatg acaatcangt tgttgtgcta 120
gatg 124

<210> 35764
<211> 269
<212> DNA
<213> Glycine max
<400> 35764

atccttcttt tggacctgc atactataat gctgagttgc tatcaggaac agcttctgaa 60
acaatgggtt gtaatatatt taatgaagag cattgaatgt actcaatggt cagtattgaa 120
tacattacgg aattaattgt ccgatagcaa tgactaatga atactataaa acccaatggt 180
atgctaaata cgctagata ttaaatttat aaagcaatgc attccataaa attaattcta 240
actaccaatc aacctgttac tatctcgac 269

<210> 35765
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35765

actcacgtc aatccatata ggcacgtcc tcacatgtc tggttncata ttattatctg 60
gtttccattc tttaaggacc ataggcatac ctctaattga atagggaccc ttgaccaata 120
cagcttcctt atcttcgtgt gatgtgaatc tcacaaagaa ataaccatca tcgtgatagt 180
atagatcacg aagatgaatg aaattccatt gacgtccat gataaccttc accatattca 240
tgctaagatc atctccatt acatacataa ttagggcatt ntccatagaaa cgtaattcag 300
attccacatc ttcatcttct a 321

<210> 35766
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35766

agcttgcac attctctgct aatgcgcgat ccacacgcgc tgagcgaggg gngtggtgcg 60

ctaacgcgcc tacaaaggcc caaagtccac ttcagcagct ataaacagag agccagtcca 120
 agggaaacaa gagaacacca ccacagaatc ccctttgggg gaaatcattt tctctctttc 180
 *tttcatttac tccctttctt tcaccccccc tcattgtaaa aagccctgaa tggccatagt 240
 ggctaaaccc tttattatgg cctgacagcc tataaaccaa tgcgatgtat gatgtactct 300
 tcacttatta tcaatgcaat 320

<210> 35767
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35767

ctatatgcc aagtgcata agggatctca gtaaacta aagatgaatt cgtttcatag 60
 atattaattt gatagttatg tttcttaagt gagaaaatat tgagattctt agagcatctt 120
 tgggtgaaga attcattttg gattcttgga ttattnttta tgggtcatat gatgctatat 180
 agaatgcaac aacttctatc attttttgct ccaatgataa aattcaattt gaattcttag 240
 actttacttg cacagaatna aaaagaggag tttttaggag ttcttctctt aaaatccaac 300
 ctttatcatg aaatactc 318

<210> 35768
 <211> 167
 <212> DNA
 <213> Glycine max
 <400> 35768

ggttatttat gtatgggtcc tcaagtcata gcggcgatc atgctgtcca aggccctatg 60
 tgaacctcca aactacctat aacgaatagt atgccatga tctgctctat caacgccata 120
 aagatctgct catccaggac tttgaataac acatattcag ttttaata 167

<210> 35769
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35769

agcttgcttc ctttcccact ggaatnncct ctatcaaagc cactctgatt actttttcct 60
cctctgggag cataattcta aggggaagcca ttcttcctaa aacatctatc aactgtatga 120
ttgtctttgc cacagtaagt acatgaaaat cctgaattcg atgagggttg gcttgctgca 180
ttgatcaagc tactgtttcc tatcatatca ttgctattaa tctatctttc ttgttgaatt 240
gcataagaaa agactctagt tatgccaggt aaaggatcca tcatcaatac attggatctg 300
acagtgttgt actgatcatt taatccccct aggaattgca taactcgatc ttgcttcttt 360
ctttccataa cactaacaag agcatcacat gtacatttta gattgcatgt a 411

<210> 35770
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35770

cccttaagaa gattcctaaa gaagctagag cttagctaca catatctctc taatagttaa 60
gtcacctcc ttgagatgag aagctagagc ttaactacac acctcctata atagctaagc 120
tcacccccat gacaaaatac atgagaatac aaaaacaaat ccctactaca aagactactc 180
actcanaatg cctcgaaata caaggctaaa atcctatact actagaatgg ccaaaataca 240
aggcccaaac gaagcanana ctgattctaa tatttacaaa gataagcgag ctcatactta 300
gcccattggac tcgaaatct 319

<210> 35771
<211> 343
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35771

agcttctcgc ttatgctgtg aacgcctcta gttcaacacc cgtgcagcct atagcaccca 60
cccagaggga agctcccca gttccaactc cgaacacgac tcgaccggcc ggtaattcca 120
acacgacaag gaacttcctt ccgaggccat tgccggaata caccctcctc ccaatgacgt 180
acgaagatct tctaccatcc ctcacgcca atcatttggc cgtggtaact cccggaaggg 240
tcctcgaacc ccctttcccg aagtggatg accctaatac aacttgcaag taccatgggg 300

gtgtcccggn gcattctgtc gaaaaatgct tggcccttaa ata 343

<210> 35772
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35772

atcggggccat aattnctcca atcttctgca ttnttctgag ccaaattcgt cgcgatatga 60
tggattatgt gggctcttgta gagagtttgg atgcgaccga aatcttcctt gggttcattctc 120
ttgctgggttc tcaccactag aagtagatag t 151

<210> 35773
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35773

aaacatgctn tgttataatg tttttgtttt tagaaataat cacaaaatgt tgctctgttt 60
taatgggtgt ctatataaat cttcaaaaca cgtttacaga gtagcatttt gtaattattt 120
atganaagtt aaaaatagaa cacgttctct ctagccaaat aatcccttan gaccttttca 180
attaatgggtg ttagaaacat ttattttata catatatattt agaaacaagt ttttcgtgta 240
ttttaaaggt tggagttgtg ctaatggcca taagatgttt cacatggtag agggggaaga 300
acaagtctga ctttttagct tttttntttt tttgtgcgtt agttctcatt gggtgatgt 359

<210> 35774
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35774

agggagcttt tatacatta gtatacna caccagcacg gnancggnga atactttaaa 60
gtcaccctgc aggaagacaa gctggcggat tttctccttg cctgaagcag aagccgacgc 120
acaccctaata ctgctcaata atgcaatgg atccataaac ccaacataga ttactctacc 180

ttcattggcc acatgatata actagaatgt gacatgtgct tatcatgaag gaggaccact 240
gcataccatt gagcactgta tgaccttgat acatattgtg caaagtctga ttgatgcaag 300
ctggctcaca cttaatgagg acaatcatgt gtgaattctg acatcgtaa gagataatat 360
gcatgatgct tgtggcaatt tgaaggccgt tgtcacatgt tttcaaagac tcattaacac 420
tttatgttta agctattact gtcaacaata gtcacaatgc taataatgta tatgaatctg 480
atgtcactcg ctccatctg 499

<210> 35775
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35775

agggatgtta ttctgtatgt acanaaaaa cacaagccac gagcaactct ganacncttt 60
acaagcacia agcnattctt catctttcac aggagacacc atggcgagca caaaaangng 120
gcnnncacac tacagacgaa canggaaggc taaacactca atgcaattga aggatccact 180
ccaagcaaga cttaaattga gttatggtct agtattttta aatgacgtgt gaatcgttca 240
acttattttt tcaatcctat tttcaatctt catgattgtg aatgggctta agattgaata 300
tgaattattt tanggaataa tttcctaact tctactttat tcacatatta tttagacgat 360
attccaacct aatcttatat ctaaatgatt tgtgngatta aattagattg aattaactct 420
aataacattg attgaacctt ctacaatttg atcattctct acaaaaactgt gaatattttca 480
atttgcattg gatn 494

<210> 35776
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35776

agctgaagtg tttatgggtt ctattncttg atttttattg gtatgtcagg ggctttgaat 60
gatttacatt gtcgtttgat tgcagctgta gatattctac cattttttat atagaaaata 120
ttcaacatac atttgtgaag aaaaagatat gcactctagt cacaccagaa aaactaattt 180

aagtcaccgt gggaaaggct cttattaact taggagccaa aattaattta atgccactct 180
ccatgtgcag aaagggtggga gagttggaga tcatgcccac tangatgact ntacaacttg 240
ctaaccactc cattaccaga ccatatggag taattgaaga tgtgttggtc agagtgaaac 300
atztatctt cctggcagac tttgtggtaa tggata 336

<210> 35782
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35782

agcgatgggt ancactcagt gcacaggcac nnnnantagg angcgggcat cctntagagt 60
cacctgcggc atgcacgcan gtcatgtttg tttgtttaac cagcacgcac agcggtgagg 120
gtgattctat taatatgacc cactctctc acaataacct aactattatc tatatcattt 180
ctatggcatt atgaatgaca cgatgaactg acatacagt tctataaaca tcaactggcac 240
gtggaatttc tatttcaaaa ataaactcaa gtcataacga taatgtacac cagatatata 300
ctatgcaaca taatatttgt tagcaaagac atctctacac aagtaaaata ttgttattcg 360
gctttcatac tataaaccat cctactcca tatatgcttt actgatcgag tgctttaact 420
ttcacttttg tatgacagac tattcgtcaa aaaaccgcga atagaaactg acttgtctat 480
ctagcatttc ggactccc 498

<210> 35783
<211> 336
<212> DNA
<213> Glycine max

<400> 35783

ggctttgaat gatgcatatt gtcgcttgat tgcaccggaa tattttacca tttttgtata 60
gaaatattca acatacattt gtgaggataa agatatgcac tcttgctgca ccagaaaact 120
aatttgactt ttattttcta acaggatatat actaattaac actgttaata tattaatctc 180
tatatgtact ctctcttcta tcgcacttta atcttatatt tttcctctat attgttttcc 240
atctcaatac atattacatc tatgcatttt tttgctatta ttctgacag agcaaaaact 300

atgttgtctg ccatggctgg ttcccttttac agatct 336

<210> 35784
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35784

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 gatctgcaga tcacatagac cacatactct tgcgacaggt gtagatttct gattcatggc 120
 aagctgagtt tctaagggtga ccaagcaatc aagttttccc tcaagcttta ttattttcag 180
 aagatgaaga tgaatctatg gccacctcat gaactcctct ataacaatag catcatctct 240
 tgcaactgaat agatgggagt tctaagccat cttcttaatt aaatgactca cctcgacagg 300
 agtcatatcg ccaagagctc caccactggc agcatcaaact actcttctac atgctgctaa 360
 g 361

<210> 35785
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35785

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 gcgcgagaat ngggagctct gggcatctgt gttttgttga tgcatacgca agngcaggag 120
 aggatgatga anggatgnca ncngcngcgg ccctggcanc cctngntcgg gaggccagct 180
 gtagtgaaaa gaactcanaa ttacaccttg actacattta ttcaagttgc tgatactgac 240
 aatgagcgct tagagggata caactctctt agcgcatcct caaaaatata acactatggc 300
 ttagcgcaac aggggtgtgt ttaacccaat ccaagcctca taggggcatg cgcttagcaa 360
 atgatgtaat tattgacgct gctatgacca ttaagaaatt ggggttagctg gcatgaatag 420
 cacttagcgg attgacccca attaaaccac atccaatcgg cgttacggtg atgcctcgct 480
 ttagcagcga aaacaacccc cg 502

<210> 35786

tatgtcgttg tttegtttca tacagttggg tcaacgatat gtgactgacg agacctgtga 120
 gtgaatgtgc ggagacatcc cttctgagat cagcgtgtaa tcctcccaact aagcaataca 180
 atagagcctg ctgcgttatg acttggactc gactagctag agccaggaac tgcacgtata 240
 ctgactgaac tgaaccaatg tgacggagtc 270

<210> 35789
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35789

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 tatgttttgct gacttcaaaa agcaacagag agatttcaaa agacaactta attgtcaaat 120
 gctctctaaa aaactatagg tcaaacactt tcaaatcaat tgagtattct tgtaagatct 180
 tcaatttgta ttatcatctc taaaagagag aaattcttct gtacattcta aatactgtgt 240
 tgtgatcaag agattgttta tctctagact tgtgagaatc ctgaacacaa tggagacgaa 300
 tctcaaggtg tgttcagaag ttgcaaagag tgtacaaaaga tagcggaaaa tctcaagtgc 360
 gttgcttgat gacaggacat agacacgaga agtggtcgat caagataaaa 410

<210> 35790
 <211> 169
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35790

atccttatgg cctgcctccg gacttcaccc gccgtttcat ccttanatat ntaagccaag 60
 cccctactgg agaggggcaa ctcccacctt atgaagacta tcccaggcaa gacgatggag 120
 aaggagatac ccatcttggc cccctgccga acatagtccg taatacccc 169

<210> 35791
 <211> 91
 <212> DNA
 <213> Glycine max
 <400> 35791

tgaagccttc cagcctgggtg atttattgat tgaaggccgg tttgggttgg ggttaagggtt 60
 tgagtttgtg tttgagggtc gtgttttggg a 91

<210> 35792
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35792

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 ttcttaaaaa acaacctctc ctacccttgc tttttgtaat ggaataaacc aaattaaaat 120
 ctgcaatggg aaagaaaaag tacctctcat actataatag aagaaaggag gtcattcatg 180
 taattgggtg taaagtagtg gtgtttctac tcttatttct tacatangaa gccattccat 240
 tcatgagacc atttgtgtat ttccagtaat aattttcaat tcagaaaaac aatcaactaa 300
 acattctcaa gacttactca ccaaattaat atcattgttc cgccatanga agccatgcta 360
 tttcatgaaa tatgaaaacc tttttacctt ggttgggtt 399

<210> 35793
 <211> 246
 <212> DNA
 <213> Glycine max
 <400> 35793

tcaagcttct tagtttcaga tgatgcagat gggttttag ctacctcatg cactcctcta 60
 atgactatgg catcatttct ggcgctaaac tgctgggagt tagaggccat cttctcaatt 120
 aaatttctgg cttcagcagg agtcatgtct ccaagggctc caccactggc agcatctatc 180
 atacttctct ccatattact gagtccttca taaaaatatt ggagaagaac tgttctgaaa 240
 tctgat 246

<210> 35794
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35794

ttttaaccaa aaatnttaaa ccatgtggat tttaatcatc tccctttaga caccaacaaa 60
 tatatagcca tttctcaaag ggcaagcaag caaccacatt atttcacaga agatgggtacc 120
 attgaaaaac tacaattctc aaatatggag acaagagtta aaacacagca tgtgtagcat 180
 gcacattgca aatatatgca aaacaaatga gttcaagtta ttgcagcaaa tcaacaatgt 240
 tatattctga atatgattcc aattaatgtt aacaagcaga ctagtaaaca cgaaacactc 300
 tgcttgcat agtatataac aaagttgt 328

<210> 35795
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35795

cgggtcctga aaggaccgag gataagggct acataggagt gcgtgagctc aatttaaagg 60
 tgggcaactg gggatgggtgt gcttatgcct gacttggtga aatgggagaa gtgatttgct 120
 ccategcctg atcgccacca agtaccacat atgatgggtt ccccataatc caataagctt 180
 gatgtgagaa agcatggaag agtcaatctt cctactttct gttttttggc cacagagtgg 240
 tacctgaaga tatgtcacgg nggtcaagag accttngnga cgtcatgagg ggtgctattg 300
 cccaaaacca agcttggcta atcccgacct aaccgggca tagtcagtca gtgagaacct 360
 gtgacgtacc taaaca 376

<210> 35796
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35796

aatactatct agattcgaga aatagcctaa ttgattaaca ctatatagta gaaatgagac 60
 aggaatatct attttcaccg ctataattaa agagtttcat gtngtgagtt aaccacccaa 120
 aatactatat atattgggta ccctgaaatg aatcaaaatg tagcaggact caccagacaa 180
 atggggcatt nttccttctc ttcttctgga gcaccttat taacaatcac ataagtttca 240
 c 241

<210> 35797
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35797

agctatagat gtatgttnat ttaatcattg ttatctttga atcatgttca actttaccat 60
 tggctctata tgaatgttat ttaccttata tgaataatct gaacttgtct tttttaaaaa 120
 tagttgaccc cagtgccaga acttgggttc taatcgaaaa atatttatcc agcaatacat 180
 gtntagctnt catcttacct attagaaatg aactggccta attcatccca gaaactcaag 240
 gagagcattg tctgagccta attcagctat tacacgtgag agacattctc tctaactgaa 300
 atttcttata tgnntatggt gtttttagatt cttctttata atttgaacat tttttctctg 360
 aaattggtaa aattgcattc tcgggtcaagt cagccacctt attttcgtta gttcctgact 420
 ca 422

<210> 35798
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35798

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 atatgccttc tatagaggat gttttgtgga acttgcagtt tgcattctca gtacaagatg 120
 catggagagg ggattctcac agtagtgaag ggtcaccagg ctgagaatct cgagggctac 180
 ccttccatta gtgtcaaacc acagggttttc acttttttta ttttgtatat ttcaactgtaa 240
 gcctaaaagg ttaatgcttg cagttgcaga tacagcagca tcagaatagt ataagttctt 300
 tatgttgga cacttttgct aaaaaatctg ctgagcttcc atgaaaaact atgttggtccg 360
 agctttgcac ttatgcagat tttttt 386

<210> 35799
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 ataatataac gagacgctcg aaattgaatg ttgaagctct aagccaattc aaacgacaat 120
 aactntttac taggatgtct gattgcgtcc cgtaacatat cgagacgctc gaaattgaat 180
 gttgaagctc tgagacaatt gaaacgacaa caacttttta cttcgatctc tgattgagtc 240
 ccgtaacata tcgagacgct cgaaattgaa tgtggaatct ctg 283

<210> 35805
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35805

tcgcaagctn tttagtgtta tttantgtga ctctttcact ctttaaattgt cgagatttca 60
 accgtttcaa agacacttgg tacatogatt accagaaaaa ttgtaatcga ttacagccgt 120
 tttgaaaata tttggaacgt tgtaaattca gtttgaaaac attttcaaac tcattttgct 180
 actggtaatc gattacaaca atatggtaat cgattaccag agagtaaaaa ctttttggtt 240
 aaggttatgt caaaaactca tgtgctattc anagtcttga aaaaactttc taatacttat 300
 cttgattgag tcttttcttc attcttgatt cttgagtctt gaatactgat cttgaatctt 360
 gagatcttga gtcttgattc ttgattctgg aatcttgatc ttgattcttg agatc 415

<210> 35806
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35806

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 attgaaggac ctcatgaag ctcaaagatc cagccttcat agaagcttct caagcaagct 120
 tccatcatgt tatagagaaa aaccaacttt tacaaaatac aaaagataag cacctctttt 180
 tcattntctt aaaaatgaaa agagtctcat tagtatttct taagggtgtag agcatthaagg 240
 tagtctaaaa cctaaatgat cattngttaa atattngact tttagtttct ttga 294

<210> 35807

<211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35807

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 actcacgttg gcgaggttat gattntgaga ggcaagtgc cagtgttgca gtcgagaatt 120
 acagtttctt tcattaggac caagtcgaac tttgtggtat tcctgtggag agtgctcgct 180
 agagattcag attgtgcatg tttgagaaat ttgtctaatt tatttaggat aaattatatt 240
 gtcttggtcg aaacaaatta tttttcgaaa gtgtcaaagc tctttagaat atatatctaa 300
 taataagaag catgttctcc atgcatgttt ctaattta 338

<210> 35808
 <211> 502
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35808

 agggggccgca tcgtccattg atcctgnacc agcnaanna annaanngnc ngaagatctt 60
 actccactca gtcgctagaa tacggaaaat ctattttttt tcnggaaata caccgcgata 120
 atatggtatg cttgttatgt gccacgttcc aaccattga tgaatagcaa cgagtagcag 180
 caccctttan ggaggggtgac ttcgtttatc gctcaaccac gcagtagact ttaattgtac 240
 caatgaacgg cgtggtaaag agttaattgc tcttggcatc ttgtggcaca ttgagaaggg 300
 gccccctnn caaagtggtc ctccnagag caacatctcc tttaggaaaa ttcttagggg 360
 gacacaaccc ctttctgtta ttttccccca tttttcatta taaccccccc cccttcttgg 420
 agaatctttc tcccaaagag caccacccta aattttcccg atactgtttc tttcataatg 480
 tacgaacctt cggatacata ac 502

<210> 35809
 <211> 345
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35809

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 ttttacgggt tgcatggat gatctgcgag aatctatggt ctatccgact tcatttatct 120
 cagtgaaggt ttctgcgctt ccacgatgca aatatacggg ttccgcgttta cggttccttt 180
 ctattttattt attatcggag ctttcataac gatcggnecat accctcattt ggggtttggg 240
 gagagtctct attgacgttg ctgatcaagg tgaaaatatt ggatctttga tccaagtctt 300
 caatggggtt tgatcttgat gacgctgac ttctcgcac aacat 345

<210> 35810
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35810

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 gtgcaatttc ccttggttat ttggctctcc attgatgtgt tttggtgctt tagttgctca 120
 ttntttgcaa aattcgtgaa gcaatttgca tctgaatcca tgcttgattt cttgagttaa 180
 agatttgaat gagaaggcct tangcctatg ttgtattctg aagcaatggg gcacgccaca 240
 ttgtcccat tctcttgcaa tntgtgtcca aacatgcgcc caccaagtgc tcggtgaaat 300
 gcccgaatga tatatgaata tgattnttgc aaaattggga tgggtggggct gttttatgta 360
 tgt 363

<210> 35811
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35811

taagaggtgc aaattaaata ccatttgata ctgagacaat gtgacaagan atgtaataaa 60
 taagacccaa gtgtatacga taaaattgtg acagactcca catactacac atgtaaaaca 120
 ttaacaagcc atcctgattc ctaaacacat gatatgcac ttcatTTTTCA aagccacgga 180
 ctgagggtcca tcatctacac caagcttctc aaggctctca taaaaagcat cgggattttt 240
 cttccacaac tcttccacct tattttattg ctgttcactt atttggcgag cccttaactg 300

cttcttaagg tataagactt gtatattctc tatgtgataa cctaaaaggc actttcttga 360
 agcatcatat gatatgccaa aatcatcaca ttctaataag cattantgta agttaataac 420
 tatttcttga agtttcaatt actttt 446

<210> 35812
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35812

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 tgaattgtga ctttttataaa tgtatttttc aaaatcagtc actgggaatn gattaccatt 120
 taagggtgtaa tcgattacac atcaacagat atgacttttc atttttgatt ttgaaaatta 180
 acacatttag aagctctggt aatcgattac aagtattttg taatcgatta cacaagttta 240
 aaataactcta taactgggtt aacataagtt ataactcttg agaattgaaa tcttaacggt 300
 ctatacactg gtaatcgata ctaccttctg gaatcgatac cagagagaaa actctctggt 360
 atgattt 367

<210> 35813
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35813

aattgaagga ataaaagagg gagagaagtg aaactttgaa gtatgtctca caagactctc 60
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtaacttcct 120
 tgagaagatt tcttgagaga acttccttga gaagcttctt tgagaanact tccttgagaa 180
 gctagagctt agctacacac acccctctca taactaagct cacctccttg agaagcttcc 240
 ttaagaagct tcctaaagaa gctagagctt agctacacat acctctctaa tagct 295

<210> 35814
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35814

gggccttgat atactgataa acangacana caggctcgcg gatccattat aatcagaccg 60
cctggcatgc atgccttcat tcatttggtt attattaccg caaacctca tataggggct 120
ccttaaacca ccatgaattc aacgctttac cttctcttcc aataggggcta ctcatataatt 180
tctccatgta tctactcaca tggtaatgag tataatgtta taacatgcac tctttatata 240
tttcaccgag taaacttgct atacatgctc gatgggaatn tccactgggc aagataaata 300
ctcttgctct tgaccatgaa cttgtggaga atatatacct tgaatgttgc aaatacatct 360
gatgctgaga acaataactaa atacttacca actataaaga aaagaaacct caaatgaga 420
gagactgtac ctatgaaaat ttataacca cgctatcttg aacatg 466

<210> 35815
<211> 156
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35815

cgaaggaaac tggatcatgaa gaatatttca gattcgggag atgtatntac gtttgaggaa 60
gggtattaaca cctctcacgt ttgtccana ggacaacagc cttaaatttg gattgtgtga 120
catattgtac ctanactttt atttcttttt tatttt 156

<210> 35816
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35816

ttccttcacc ttctgggggc caacgcgaac ttgaccatt attcttcctt cccgcgatgc 60
ttcttttcat gtccgcctga gtgggcttat agcctacacc atacttgcca cgatttcctt 120
gggtatttat caggctagtt atgccgccgt tggtttttcc taaaccatc ccgggttcat 180
aacggttccc caacataact cgggccatca ttatcgctgc atcgacaga caaagctgcc 240
caaagagggg gtccacggag gaaatgctga ccacctcana agactggana gcagtttcta 300

acgattcttc tgcggcttcc acataaggca tgg 333

<210> 35817
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35817

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 gtgacgtggg aaatgctttt caatggtatg tggatatatg tggggcatga nnatccttgc 120
 caagtgtgaa tgattatttt cctaaatgga tgtatgatag catggaattc ccttttgaat 180
 gcaagtatgt gcaggatgta attagctttc caatatgcag aaacaataaa atntgtatga 240
 tatatatccc acatgtgtgt agttagtttg aatagcaagt atttaggata taatttagtg 300
 tgagtt 306

<210> 35818
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35818

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 cggggttcga acacaacctt ctttctccct ttgatggctt gtttagcata gcttttactt 120
 ttctctcaa ttgatcttt gactctataa tgaagcttct tcacatagtc cgcctttgct 180
 tgaccttctt tatgcttaan aacagaaaca ttatgcatat gcaaaagatc aagaggagtt 240
 agtggattaa aaccataaac aacttcaagg tttaagaaaag aagaatcatc ggatgacgcc 300
 gatcgaacat ttctaatag acatcatcca aatattattc 340

<210> 35819
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35819

actcgatga ttgattgagt cccgtaatat aacgagacgc tcgaaatnga atgtngaagc 60

<223> unsure at all n locations
<400> 35822

attcatnecat cctcaacatt cgcctacaat gcacatgtaa gcggacacat cacatcctaa 60
acaaatcaaa aatcaaaatc cttcaacata ttttgaaacc tttatatatt ttgtgtgttg 120
gtgagtttat ttccattnca agaagtgttt ctaactcttt tgcgtgtctt tttcaaactt 180
ctanacattn tgaagatatt tgacacattt caagagctct anaacatatc aaattggt 238

<210> 35823
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35823

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cgttcaacta atttccctct cattgaattg gtctacttta aaataaagt atatttagaa 120
taaaaaggga attagtattt tcatatagca tgcacgcaa tactagctac tgcagttntc 180
tgatatctca tctacgctgg aaatttccac ttgtctgttg aaataactct cccctgtgag 240
tctgtcactt gtggagaatt ataataactt cgaggttggg aaataacatg ctcatgttct 300
ggaagaataa gaacaagaag t 321

<210> 35824
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35824

cacatgtggn actaggcggc ggtcgggcca tgggtgcacaa caacattttc acatccacaa 60
tgcgcgcata agcccaacct actctgtagg ccacctccat ctgagctcac ggactcccac 120
gtgaaccata ttctcgtatc tctcaacagc gggaccccat ctatgctctt aagcttgac 180
aacatccaat cagaacaaca ttcagacggc tcaaggatc acagccatac aaaacatggc 240
agatgcagaa aactctgtca taacaccgac caaatcacia gctttctcac ttanagacce 300
cagtaactat tctttcgatt caattcgata accgttggat cgactccaaa attctactgg 360
aggtctatga gacattatac cacattgtga ccgtngggat cag 403

<210> 35825
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35825

aaattggatc atcctactag gacgactgag anaactgggg caaataaaga gggtagagaaa 60
 gagggagagaaa cccatgttgt gactgccatt cctgtacggc caaatttccc accaacccaa 120
 caatatcttt actcagccaa taacaaactt tctccttacc caccaccag ttatccacaa 180
 aggccatccc taaatctacc acaaagtctg tctaccgcac tttcaatgac gaacaccacc 240
 tttagcacia accaaaaaca ccaaccaaga aagtgaattt tgcagcgaga aagcttgata 300
 attcacccca attccagtgt cctatgctga cttgctccca tatctacttg ataattcaat 360

<210> 35826
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35826

agctntgtca cttntgttgc tnccatactc aaatttagat gggtaatatc tggttggtgtc 60
 tegtctctgcg cgatttatat ttgaaactnt cggtgccacc agtgtacttt aatttactct 120
 taatttaatc gcaatacact aaatgaaacc aaagttttct actctcctgg tatttaaccg 180
 gatcttactg gatcacactg aatcctgtca gattacatat acgaacaaaa ctatctaagt 240
 ctctttttca ttactatct gctgctgata tgtttaccat agaactatat tt 292

<210> 35827
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35827

tcacgacgcc actagggcgg ngttcacata cctgctatctt gatttttttac ccggccaanc 60
 cgatcacctg cggatgcgca ctcttatctt tcttagcgag tccacggctg tttacattcc 120

taagggaaag tataaaacgg agatggtaga ccaagtctga atcattcggt gagaatggct 180
 cctgccgaca agacacacag tatagctgtg cttcangtcc ttcggtcagc taaaccaat 240
 ctacgcanag ctattataaa tagttctgac aaaacgatca tctacgctat ttgtgaaatt 300
 tgtgacaatt tgctcagtgg aaacattcca cttactgcta gtc 343

<210> 35828
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35828

agctttttatc attctacttt nttttacttc ttacaaataa aaaaatatct ttcttatttt 60
 gaagttcgaa aagttagtagt aaattattac cgttaaaagt aatcaaatta aatatatatt 120
 aatacagttt atccaaaatt taataagatg tttacaatta ttttcatcan accattgtct 180
 catatattct atttttataa tatagtgagt ataattttat ttgcaaaana attaaattca 240
 agtatttttaa agaatttaaa aataaatata tatatatata tatatatata ttantttaat 300
 tacatatatg tatagatatn aaatatTTTA ataaagtgca taaattataa tatacatata 360
 tt 362

<210> 35829
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35829

tctcttggtt taacctccat tgatggacga acccgttggt gtgtgttagg tgcaagccaa 60
 tgcagnttca tcttgataac ttatggttgc acttgacgtg tctattgtgg tagtggtaaa 120
 tgagctatgg catctgttgg aagagtcttg aaagccttag atggtgtgtg ctcatagtta 180
 tacttctttc atgttgacgc ttggacaatg atggtttcct tctgaagaga ctcaatggat 240
 atggactcat ggaaggaaga ttcagatatt ggattaccaa taacgaatgc taaaagaaat 300
 ctttgagcat ttgtcaatgg ttccttttgt tgaatagctc 340

<210> 35830

<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35830

agcttgctca tttantcttt ttccgaatgc cnntgataga catggagact tcttcgtgca 60
cactcctaata gatgtcgaac tcagtaatat ctataatctc atatgcatgt cataacttgcc 120
aaatagcctt gacaaacctg gccttttgct ttttaaacac catttcatga gcacctcgcg 180
ccagaatttg gtattcattc ctccctttct ctatcttcta ctgggcccta gacattggct 240
ctttcatctt gtgcacctta tccttctatc agacactaat gtcattatgg gaatatcgat 300
cgatatgata tgtagattct tgctaatcga attatgatat ttggccccag ctatcacacg 360

<210> 35831
<211> 109
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35831

acgctcgccc atgacaacat ataggataga ctcanaccct tagaatgtgt ttatttgata 60
ctgagcaatg gaatcttgcg gagcccagta catagggtag cgataaata 109

<210> 35832
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35832

agcttgtttc ttatgacctc tacatcatta agtagagggtg aaatatgtgc taaaatctat 60
tgngaaaaca ggaaaaaaaa acagaagtga ggattgaatg gcataaccat gaatccactg 120
acaacactgc atactacaca attgttccaa atgtcttgac cacggatttc ctctactgag 180
ggtagtccta taagctcaat ttgaggggtc tctagttgtg ttgagttcaa agaagcattn 240
tcaattcctt taatagagtc atcatccatt ggtaaagctc acatcangga tatgctagag 300
ctatgttatg aagaatgaat agttattata aagcacaaat actcaaaata tctatcta 358

<210> 35833
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35833

gcttgtgtca cgattcactg tgacagtcaa agcgccattt tcttagttta tcaccaaagt 60
 taccatgaga ggacagagca catagatgcg aaactacact tcatcagaga tgtgattgaa 120
 totgagaagg tgaaggtcga taagggtttca acagaagata acccggtga tatgtttaca 180
 aaatccctct ctagtgtcaa gttcaagcac tgcttgact tgataaattt tgaggatgcc 240
 taaagcacat tggtagaagt gcatccctga atcgcaagat aagcacttgt tgatttggag 300
 tcaaagtgga gatttgtggt gtgtgactca naatcacaaa tggcacaagt gggaagactt 360
 taagaagtgc tatcataact aaattcagtt atgataactg aatctgtttt ggcaccanaa 420
 catagctaga atgagtgtgt gtgatataata tatatatata tat 463

<210> 35834
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35834

gtccaaacta atcttctttt aactttctcat cctctagcct tcaccacttc tctcgcacct 60
 ctatttccca tctccttctt tcttttttcg attccagttg ctagtcatta taggatctcc 120
 attggagctc atgcttccaa gaagatataa catatgtcaa cctatatcta aacatgcaat 180
 ccaacttcat ataaattntt tcataaaatt agtaaatact caacaaaata tcatgggtgga 240
 ttattcgtac ttccattatg atggttcgct tatcctctac gaccaccaa atgggtagtg 300
 agtcatatac cacctacatc ttcttcta cctnctctct ttgatgatca gtaacttatg 360

<210> 35835
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35835

nnnaattacg gggaatttgn gnagtgcant atgnatacta agctngaagtg aggaagtgtg 60
aaaggggaaa actcccaact ttaatccttt gttcacaaan ggatacctga agatatgtcg 120
cgggggtcat gagaccttgg tgacgtcagg tgggggtgcta ttgccccaaa ccaagcttga 180
ccaatcccg ccccaacccg gcatagtcag tcagtggaga cctgtgatgt acctaaacag 240
gcgagctctt ggagtcacac cgattaaaga acatagacca caaagcaagg atgcttatgt 300
ggtggctggc cagctgtgaa tcttgaatga tatatgggat atggcctctg gtaatcgatt 360
accaaggggtg ggtaatcgat tacaaggctt ataaacagat cangaagcta agaggcttat 420
ggtaatccat tacaaggggc gttatcnatt acaggcttat aaatagaact gaatgttgat 480
tgggctcttg taataan 497

<210> 35836
<211> 236
<212> DNA
<213> Glycine max

<400> 35836
ccacctatgg ttgggacatc ttctttttgt tgcgggtgcgg tgggtattatg gggaccatga 60
ttgctgtgct tcccaagatc aactgagtg actatatggg gaccagccaa gaccaaactt 120
ttatgcatgt ggatattctg gattttcaaca tggcccaaca tataatcagt aacagggaca 180
atggagaact caccctagta atcagtcaca agccacaaca acaagggcgt agtctc 236

<210> 35837
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35837

tgtgggggata aagtcagctt gttggaaaga taagtgggta ggggaagggtc ctactctnta 60
acagaaatac aatcagttgt ttctcattaa tagacaacaa cccgacctta tntcaatgat 120
gggaaatntc tctcaagata actggagatg agacttgaaa tggaggagga atctgtttga 180
tcatgaaagt gatctagcta tcaatttcat ggaagaaatc agctctatac atattcagag 240
gcatgttaag gacatcatga cttggaaagc tgat 274

<210> 35838
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35838

accacacgct aagcctccaa atgcgcgctt aacgcacatc cacgataaat ctgactttca 60
 gctagggcttc ttgcaactaag catgcactgg cgcgctgagt gtgctgctcc aattcttcat 120
 acatcttcca ttctttctggt gatgcatcta anaattctac aaaataaaac aaaacattgt 180
 taaagtacca acttttagcat tcttaagata aaaactcaaa gaaaatctaa attcctatct 240
 ttntaagtca caagaagtat cttaaagagaa gaaattagat aattttctatg taattttaagt 300
 gcacaaacta agtatgaata acaattatca atgaggaatg aagatagaaa ta 352

<210> 35839
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 35839

ggagtggatt acagaatcac ctgaactagc cgagccttaa aagatgactg gatggaattt 60
 actttttggt ttcgttggca atgatgtgaa gatgctgac ttcccgtgga gtggacctta 120
 atttgaataa cactatatta tactgatttg cggatcttga gatggacgat gctgaaatga 180
 gatgagaagc ctgttgattg gaagcactta ccaaactgac atggctgata atgtcctgtc 240
 ccattgaatg aagatatgat gatgacctgc ctatacagta ttctgtcctg actagtgtaa 300
 agctctcaca gaggggtcaa caattgtcaa ttggggagta tataagaatt gttaattggg 360
 agcctgggaa 370

<210> 35840
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35840

agctntgatn ttcatattga atttcatcca anattntgac aagtcattgt tacttccatc 60
 aatattgata ttgtatcatg cttaattata tgcatttgct tattctgac attgtctatt 120

gtgtgattat ttcttccatg cangtacatg attcctatctt gttgtgagag tgaaatgatg 180
 ggcaacagca acaagtgaag tgaagttata ttctcttnt ttgtctttat ctttgtaag 240
 ttggtatata atttttatctt tatatgtttg agttttaaat gtgtaaaaca tagaaataga 300
 aaggctctgct gattgcttat taaatacaaa gtaggatatt tt 342

<210> 35841
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35841

actaattgga ggaatgatca agatgtatctt gctgaacaat ttaagtcgct tcttttttta 60
 ttatgtaatn tgaaagaatg aaacatgtnt aagttgctca attagaactt gaaggaccac 120
 caacatagta tatcagtatc tttttttttt gctagacaga atcatatgct acttattggt 180
 gggacaacat atatttagat ggtactgcat tttgggagaa attaaatatg catgtcctta 240
 attcctcatg ccaataccta attttatgat tntaattgaa tgggtgattt gtttaataat 300
 ttttaaatat gatatgatcc atattngaatt ttgcttatta tttttttttg ctagaactgc 360
 ctttaccat tttttaatag tatagaattt 390

<210> 35842
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35842

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 cacacctata ttccctgtc ttatctagtt gtcataaaca aactattcta tatcctacta 120
 atcttagaga tgcacatatg taggaagagc ataataacc ctacgtacgt agcaatatca 180
 catggatgaa gcaattaact atatctacta aacaaaagct ttctataaga attatcctca 240
 cacaccatac gtgcattttc aatttcccaa ctttaaaatc acctctataa accctacttt 300
 acagaactca tcgtatttca cttctatgtg catatcaaca gaactcaact tctcagtcgt 360
 gtttgatttg tgacggatac catttgacac tcatcatttn 400

<210> 35843
 <211> 220
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35843

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 anaatcgatg caaattaaaa ctctgacatc tatcatgggt ggaatggatg aatgcatgaa 120
 gaaatgtata taacacagat gcgatttatg aatacgggag cctgagaaat tgtctncttc 180
 ttagatacaa cgtcttgggg taacacagtg ctgcacttat 220

<210> 35844
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35844

agctngtggt tatattttat ttgngattg aattctagat acatttggtc atgtattntg 60
 gtcattctta gcctatcttt tgaantttga gtctaattca tgcattgttat ttacttcata 120
 acatgttcta aatcaatttc gagaagtagt cttgttggtg aactcttttt ttgctgtct 180
 aagattctta tatgatggct atgatgaaca tgaattgtgg tgcggagttg tgaatcacat 240
 aacgcctaag ctctcttgaa ttgtcgtact cacgataata gagcatgctc aaacactaat 300
 tgtaactatt caagatgaac actactttcg atttct 336

<210> 35845
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35845

acaaaccaca aacccttgcg ataggtacag atttctgatt caaggccagc tgggttacca 60
 agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat gcagaatggg 120
 ttgtagctac ctcatgcact cctctaata gaatggcatc atttctggcg ctaaactgct 180
 ggag 185

<210> 35846
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35846

agcttctact tatgtgttan ggcgggcttc cttcaccttc ttgtctcaac cgcgagctnt 60
 gactaccgtt cttccttccc gcgatgcttc tctntatata tgcttgagtg ggcttatagt 120
 ctaaccata cttcccacga tttcctttgg catttatcag gccagttatg ccgccgttat 180
 ctttgcttaa acccattccg gggtcgtaac cgttcccaa cataactcgg gtcattatta 240
 ctgctgcata ggataggcaa gcttgcccag agaaagagtc cacggaggaa atgcttacca 300
 cctcaaaaga ctggaaagca gnttctaata ac 332

<210> 35847
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 35847

agcttcaatt ttcttgtcaa gcgtctcgat atattacggg actgaatctg acattcgaat 60
 aaaaagctat tgtcgtttga attgggtcaa agcttcaaca ttcaatttcg aggggtctga 120
 tatattacgg gactcaatcc gacatgcgag caaaaagata ttgcagttga ataggctcac 180
 acgttcaaca attcaagtgt gagcgtctcg acatgttacg ggactcaatc agacatcccg 240
 gtaaaaagct attgtca 257

<210> 35848
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35848

actatannaa actcacgctc tgagacaatt canacgacaa caactntnta ctcgatatt 60
 tgattgattc ccgttatata acgagacgct cgagagtga tgtttaagct ntgatccaat 120
 tcanatgaca ataaatTTTT tctcagatgt ctgattgagt ccaataatat aacgagacgc 180

tcgaaattga atgttgaagc tctaagccaa ttcaaacgac aataactttt tactaggatg 240
 totgattgcg tcccgtaaca tatcgagacg ctcgaaattg aatggtgaag ctctgagaca 300
 attgaaacga caacaacttt ttactcggat ctctgattga agtccgtaac atatcaagat 360
 gctcgaaatn gaatgtggaa tctctgagcc aattcacacg acaaatacgt tttactcgga 420
 tgtctgattg agtcgctgac atatcgagac gctcgaaatt gaaggtagag ctct 474

<210> 35849
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35849

agcttcttgt ataantatct tggtagtctt tatgcctgga ccaagaagct agaaacctgc 60
 atgggcggttg aaagatatga gcaacactca tacaacaca ttaaagataa aatataagac 120
 tacttatttt attaaaacaa acatctttta acaaataact ctaagcaa ataggaccaata 180
 cgtgataagc gagacggctg tgagatatat aacaactcta ttogagtcac atagtgttga 240
 aactccaaag tagaagatac atgtgtctgt tgatgtgttg gcaactatga ctactagtat 300
 tgacgatgag tttgtgatgt a 321

<210> 35850
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35850

ctggtatgag ttcattctcg tgctgtagt ctgttattta tttgccctta gngaggacat 60
 cccctgagat aatttattta atctattgaa ttccgctttc tttcctcttt gacccaaata 120
 aaacacacat tcaactcaat cattcattgc aactagccaa ctacactgac aaatgactta 180
 tgtgtctata cacttcgaaa ttaaaaaana agaacttcat tgtactgact atatagataa 240
 attatatctc aattgtgcct attatctttg agtctaaata tgatataccc gcagcacaac 300
 agttttacac tgccatttaa taatatgttg gcagctggca catcattaaa gaagtttagac 360
 ttctgcata agtgggttga tgggtcaaact cttttagtaa tct 403

<210> 35851
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35851

 gcatnngcnn caagcactag ccccntnna caccagnaag aaagaaattt ttttagggna 60
 gggaaggggt aggaaaaana aaggaaaaaa aaaagaagga agagggtaat agaatactga 120
 aagaataagt gaaaataaat ttaaaaaaaaa aagggaagaa ataggaagaa agataaaaaat 180
 aaaaaaagag tataaaaaaa aaatgaaagt gtttgaata tgtgaagaaa attaaaattg 240
 aaag 244

<210> 35852
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35852

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 agtagagcgg cacgcatgcc agecncgact tatgngtttt gtgcgggcca acagcaccng 120
 caagggaggg ccgcntaagc ttgactaccg accttccttt ccacgatggg tatctatata 180
 tctgactgag tgggctcctt ggctaaccac tacttccac gatttacttt ggcgtttatc 240
 aagccagtta tgccgcggtt atttttgcct aaaccattc cgggttcgta accgatcccc 300
 aacataactc gggatgatcat tactgctgca cggataagca gcttgcgccc aaaagagtca 360
 ccgaggaatg cgtaccctc caagaccgga agcagcttta atgactgctt gcggggccac 420
 atatgcatag agatggctgc caccacacgc atgcttcctg ttacatgaca atcccctct 479

<210> 35853
 <211> 324
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35853

tgtaatcgat tacacacata ctgtaatcga ttaccagaag atatTTTTct tataatattc 60
tcaacagtca catcttttga cttgattctt gaatggctgt caaaggccta tatatgtgtg 120
acttnggaca caaatttgct aagagatttt cagaacaaaa aggtcttata ctcttaaaaa 180
gcaaaatcng tttatcctct tacaaattcc ttggctaaaa cacttgtgat tcaataagga 240
attanttgag tgctcacatt gttcaatcta tctctttcaa gagagatnnc ttcttttctt 300
cttcttcatt ctgaaaaggg atta 324

<210> 35854
<211> 282
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35854

agcttctctc tgcgtanaa aagatattat cggccagtgt ttgtaaaaaa attgcgcaat 60
gtccgctgan aaatatccgt cggggctatt taactaccga tgcggctat tgttttttct 120
attccacccc tgaattatat ttggatgatg cctattanga aatgttcggt cggggtcata 180
cggctcatgct tctttntgaa gcctcgatct gtcgtctttc ctagccggcc gacgtcggct 240
agcatttttt tcgatcaata tctgtgtgaa tcatggtttt tt 282

<210> 35855
<211> 279
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35855

gcttatgaga gagtcaagat caattgagag gaaaattatt ctatgctaaa caagccaaca 60
aaggagaga gaaggttgtc ttcgaaccgc gagattgngt ttgggtgcac atgagaaaag 120
aaaggtntcc ggaacanagg aaatcaaagc ttcaaccaag gggagatgga ccatttcaag 180
tgcttgaaag aatcaatgac aatgcttaca aagttgagct gccccgtgag tataatgtta 240
gttccacctt caatgtctct gatatatctc tttttgatg 279

<210> 35856
<211> 785
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35856

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catgagagag gananntgat accttcgaat gtccccgcaa catanagtaa angcaccgcg 120
cgtangtgaa atgcacacag ctcaacatgc acacatcaag aatttccttg ttgtagnac 180
tcatcagagc gggaagcagg agcgggtatc tatacactta atcactctac tgctacttcg 240
tctcgctcatn tngacaacnt ggcattacga tagaatatcg attctacgtc taatacataa 300
atccacagct cgagtgcagc ctactctgaa tatcgcgat cagcaaccta tatacccgag 360
aatgaaatcg tcgcntgata cagtgtattc agccgaatch aatacgatga gatcgcatca 420
gtctcagatg catttaaate tgaactcgta cncgattctt atcanacact gtgtacatgt 480
caatcactcg taactcacat gcttactagc gataatacgc tactctatct aaatctccat 540
cggcttaggt cccactactc tgactgcgat aagatggaat ctgtcatata catccatctg 600
cactcttaca actgatatgt acccccgctc tattgccaca ngctatatag tcacgtaaac 660
atgctgacag acattagctt ctacgtgtaa cccacactat cgaacatcta aatactgcac 720
gtcgctcgcg ttagcaattg acatcatgcg cgtgtctacc acacntgcat aacaacgaaa 780
tcgcg 785

<210> 35857

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35857

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ttattctcgt ttgcatttac tttttatacc cccttttgac gtgcttaagc catttattta 120
agtcatttct cgcttaatct aaaaataaga taaatttcca ccgatcggtt gaattgtatc 180
atccgttaat tgtggttaaa atgaattccg accgtttggt cgtgccgtaa ccacgttgga 240
aatcaaaaaa agaggtaaaa taataatata ataatacaag aatacctttt agtaaaataa 300
aagcgaaaga tcaatcggac gttntctctt tgggatgtct cattcttaa 349

<210> 35858
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35858

agcttgtang attatgggtgt acccatcaca tgttggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag tnttcacat ccacanattg tgcataaacc caccatcccc tattgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaaa acaacattca aacaacacaa 240
 actatcacag ccaagaaaac agagcatagg cagataactc tgccataaca ccaaccaata 300
 tcacagcttt tctcacttat agaccccagt aacaattcct ttgttccaat tcgttaaccg 360
 ttagatcgac tccaaaattt actggaagct ctagtacata agcctcattn tgaccgttgg 420
 atctatagca acatcagaac tcattctgac tgtc 454

<210> 35859
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35859

agcttcanac ctcatatca canaatctag gtgtccaaaa cccctcaatt taatggattn 60
 tctaggctnt agaagtgaaa ttgagaatga gacnaatttg aagcaaactc tcacctcaca 120
 caagtctata acatcaattt agacttggtc aaactggatt tacgcttaan atttcaccga 180
 atcaaaattt gactcttoga cacccaaatt tgcctagaa atggctctnt gttcactttg 240
 atcatttggt tttctcccta gctcagccta accttctct catgttctaa atggcatttc 300
 aagctaggat taactcactc taacctccaa ataccacata atccagattt agccttccaa 360
 ctctcanagc ctcaattctt ttactcata acaccacatt ctcaacttct aaccctagggt 420
 taactctacc tttcatctct aaca 444

<210> 35860
 <211> 536
 <212> DNA


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<213>      Glycine max

<223>      unsure at all n locations
<400>      35860

cgcacccgta cacacaatga acgacgctga aangcacaca cacatactac aanncttaaa   60
aanaaaaaag gaggggnnct cgangctatn agtacagcnn aannnnacnn agnaccngnc  120
gagccngcag agncgaccag caggcaggca agcannnann aagtcttcta tattacaacc  180
cgcacgagtt caagagagga ggagtaaaga acatgaggac taaaaacaac ggaaacgatg  240
tggcatcctt tactaaaaaga aagattaggt ccgcactgtg acaataaggc togaactcag  300
acaaagaaac agtgttggcc tccgtaagtc aagatcaacg ccgccaagtc taggacatct  360
aaaagtagcc aaaaagaaac tcggaagata atgtggggac acgaaccgga aaataatagc  420
acaacaagtt gagctaaaaa aattgccgca cgggcgctag ccgagtcaaa caatccacca  480
aagagcaggg accacaaaca catgaaaacc agaacgaggc accaaaacaa caacct     536

<210>      35861
<211>      379
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35861

agctttctct ttaattntct ataaataggg ggagaagtga agtgaanaag ggttcacccc   60
cttatgcact tctctctctt tcgaatttgc ttggaaaaat tgtttccgta aagaaaatcc  120
aagccgaggg gtttccgaaa tgttttcgta acatttccgt gaggaatttc gcgaaggttt  180
cgaccgttct tcgacgttct tcattcgttc ttcacgttcc ttogatcttc aaaagggtaa  240
gtacctcgaa ccaagctntt cgattcattc tatgtatccg tgggtggcca cattgtgttt  300
cgtgtatttt tattctcttt tcatttactt tctatacccc cttttgacgt gcttaagcca  360
ctttatttaa gtcattttct                                     379

<210>      35862
<211>      144
<212>      DNA
<213>      Glycine max

<400>      35862

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tagaccgggt ccttaagaca ctgcagctgc agcttttttt gatttaatga cagccacagg 60
 gggaagctt ataaccataa cctttactta acaatctaag atctttttaa cagattgact 120
 acaaatgaat ctcattacaa cctc 144

<210> 35863
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35863

acgacaataa ctgtctactc ggatgtgtaa ttgagtcccg taatatatcg agacgctcga 60
 nattgaatgt tgaacctatg agccaatnca aacgacaata acttttttact cggatgtctg 120
 attgagtccc ataatatatc gagacgctcg aaattgaatg ttgaacctct gatccaattc 180
 caacgacaat cacttttttac tccgatgtcc gattcagtgg tgtaatatat cgggacgctc 240
 gacattgaat gttgaacttc tgagccaatt caaacgacaa taacttttta ctctgatgta 300
 tgatcgaatc ccgaaatata tcgagacgct cgaaattgaa tgttgaacct ctgatccatt 360
 tcaacgacaa taactttttac tcgatgtccg attatagacg aattatc 407

<210> 35864
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35864

gcgtattgag ctacgctcac ggcaannagt agccccggat ccttaagcac ctgcagctgc 60
 aaccattttt tcttaatcac cagcacaaca cggggctaca tgctgatgct caccgaagtt 120
 ctactggcaa acctcctcta atactttatt tctagacacc aactactagc ctacattgga 180
 ttacgaaccc aacataagac cttcattgca agcgggtatt gcatattaca catactccat 240
 ggggtttata ctacaaaagt tgaatgcgtt aaggagcatt ctataacaaa agttctctta 300
 tatggataaa atacgggaca catattccaa aacgaagcca actactgcag gggctgctca 360
 tgtagacgcc ttggtcacca gaacaaatgt cataacccta tcaaacggaa tcttcatgct 420
 ctttaaacga aagatttttcg 440

<210> 35865
 <211> 362
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35865

 agctttgttt gtatntaaac gacaataact ttntactcgg atgtctgatt gagtcccgt 60
 atatatcgag accgtcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120
 gttttactcg gatgtctgat tgagtccegt catataccga gaagctcgaa attgaatgtt 180
 gaagctccga gccaatctaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg agaccctcga aattgaatgt tgaagctctg agccaattca aacgataata 300
 aacttttact cggatgtctg atagagtccc gtcatatatc gagacgctcg aaatcgaatg 360
 tt 362

<210> 35866
 <211> 324
 <212> DNA
 <213> Glycine max

 <400> 35866

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 ctattcagaa catagaaaga actaagacta ttcttgctga aggatataat acgcatcata 120
 gaataacata tcaatgtgaa cattgtctac gaagcacgga ctctgatata ccaacacttc 180
 gatataggta atgtctaata tataggacac acagacgctg catacacaca caaatagaga 240
 gatcctactt acatgaaata taaataacat ataacaaaat atcgaaattg gtggtatatt 300
 aatcttttta aaccaacctt ctat 324

<210> 35867
 <211> 448
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35867

 agctntttta catttatctc atattatggg accgtctttg actaatctaa gattaaagag 60

gtaaagcaaa gaaccgaaat ttgcagcatc tttcatagaa ttaattacca ataggaacag 120
tgaatttttg aaatgcagtg tacaacaaac tctatatgtt tttgtaaaat agtagtaggc 180
tatatntatt tttgtaaatt acacttccaa.tntgaataga catctacaat agtaaaatac 240
taattaaagc ttaatatataat ctttttcaat catccacttg atgctccaga agttagagtc 300
acattttgtaa gcccaataag cccatccaaa tttggcacga gagtatacat ccacttggac 360
ttgcgtaaan ttttgttggc ctttctttga tgcattatga actttccaat caactactcca 420
ttccgctgcg agattcacca acaacatg 448

<210> 35868
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35868

agcttgtgtt gttcttaoga atgatgacat ggtcaattga actctcagaa tatgatattg 60
cctacaagct gagaggtact atccgagccc aagtactagc caacttcatt aatgaattcc 120
atccccacc accatatttc aagtaggaat ggtggacgat gcatgtgtaa aactcttcca 180
ataggcacgg gagtgggtgtt ggggttattc tcgaaggacc atggtacaat ccttacattn 240
tggattcaaa gccacatgca attaggccga atacgaagaa ctctttgcag gtttaaggct 300
ttccaaacag gttgatgctc aaaggggtccg gtgtcgaagc gactccaaga tcgccgttga 360
gtatatcaac 370

<210> 35869
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35869

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catatccact tgcaattcca agtgtcaaac ctctcaccaa caaagggttg aagaccatca 120
aacttttcca aaatctttga atgaagagat gaatcttctc cctcatgtcc ttcttcccca 180
acatttctag cacccttctt tatccaagag ccatcatgct ccttaatatata accaaaggat 240

gctatgactg aagcgcatat aaggaatgat ctcttgattg gaacatangg ttcataatca 300
tgacgtatgt tgaagtgtt 319

<210> 35870
<211> 319
<212> DNA
<213> Glycine max

<400> 35870

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gagtgcgcg tgggtgcccatt accccctcaa ttaattcgcg ccattccgct ccttccgaca 120
cctcaacacg ggctccacat tagtggaatt cccaaattgc ccttttccaa ttcttacatt 180
gtctacgagt cataattgta ttgagcatca cactcacttt tatcacaatc tgcattgcacc 240
atgcaaaacc cagaccctat atatctatgc cctaaccatc tcaacacaga accttaataa 300
tctataccat aatcttcat 319

<210> 35871
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35871

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tttataacaa accacaccca ggcgagaaaa aaggaccccc ccacagacgg aagacacaaa 120
gagccgaggg gaacccagac aggagaacct aaaacacaga ccccaacctg acaccgccac 180
acaaacctac gaagccgaga gggccgacca gcgcgagagg cgccggcacg aaccagcaaa 240
aagggcggga accacnaaac acgcaaggcg gagggacacg cgacaagccc gcgacgaggc 300
ncacgaaacc aaaggcggca aagcgcgcg aaccggacca acgggcgaac ggcacacgaa 360
cagaaacgcy gcaacaacct cagcaaacac acccaacggg accccggagg agagcgccaa 420
cccaacgagc gagaccacag cagaaggcca cagcgcgcac cccgacggca ccacaagacc 480
aagaacngna cg 492

<210> 35872
<211> 292

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35872

agtaagcgaa gtgataatga aagcatacaa aacacgaatg gaccactgag ggtgcataaa 60
atgaactgaa agattcgatt ttgagaactt atagggttgaa gaccgaagaa caacgaagaa 120
ctttcacaga atcactcacg aaaacgtctc ggaagcgtaa cggaagcacc tcggcttgaa 180
ttattctcct ttttcttctt ctctcacta attttaagtg attcctgagt ntctagggtg 240
ctatgccctt tccctcagcc tccaatgccc tttaaataac aaaatatggg ga 292

<210> 35873
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35873

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tgacggaatg gaactatgat cttacatcgt attaataggc acgtgttggt tgaacataaa 120
agcacgataa gaacacttct ctttgaatgg ttggccttca caaagtacaa cacaacaatg 180
ccttacatat aagacgaatg tgttgctaca aaaagatcca atatcataac gaacatgcat 240
gtgacactac ctcatactga tgaggatctt gacactaact caccgtatga atacagtatt 300
atacacaagc tacaccttta agacgatatc atgttatcca ctggcaatca cacatactta 360
gggtccatca naagatacat gtta 384

<210> 35874
<211> 87
<212> DNA
<213> Glycine max

<400> 35874

tggcgttaaa aatttctctc cgccctgaca ctcatcgag aactatgtaa ttatctaaca 60
tctctgcgac atggaaccat acagacg 87

<210> 35875
<211> 412

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35875

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ttcttctatt ttcagattgc ggatgccttt aacagcacct ttgtcaatga ttttcttcat 120
gcctcttaag tgcagatgtc caaatctttg atgccatatt ctgacttcat cttctttgga 180
ggatagacat gtggaggagt agctggtttc ttggggtgtc cataagtaac aattgtcctt 240
tgatctgctg cccttcatta gaacttcact cttctcattt gtcaccaagc attctgactt 300
tgtgaagttt acattgaacc cttcatcaca cagctgactg atgctgatcc aagttgcagt 360
cagtccttcc accagcagta ctttgttcag actangaagt ccatcatgaa ct 412

<210> 35876
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35876

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ccagccaagt gagtgccttg ctacatcaga aagnttgaat gtgatcttct gatcatctat 120
gcccatttac agattacctc ttcccatata cgccacacaa ttggcggttc gcatgatagg 180
acatacccaa attagaggga tctcagcatc ctcattaatg tcgcatgata acaaagtcog 240
cacggaaagt gaactgtcac accttgacca aacatctacc accacgccat aaagcctagt 300
aatggaacga tctgccagct gcaatgtcat tcttgttgga taattttcag ctctccaagt 360
cttgtggaca tggagagcga catctaatta atgctagctt ccanatcaat gagagctgtt 420
ccaactgaca ccgcaccaat a 441

<210> 35877
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35877

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 cttgttagac aagtggcctc agatatctta agaagggggg ttgaattaag atattacaaa 120
 ctattttccc aattaaaatt ctactttgat tntaatgcaa gttcaaagtt cccttaaaga 180
 ttaatttcta aatgatgatt caaaataacc aaactgaatg taaaagtaaa gcaacaataa 240
 ataaaagagt ttaagggaag agagagtgc aactcagttt tatactgggtt cggccacacc 300
 cttgtgccta cgtccagtc ccaagcaacc cacttgagag ttccactaac ttgcanaaac 360
 cctttacaag ttctgaacca cac 383

<210> 35878
 <211> 439
 <212> DNA
 <213> Glycine max
 <400> 35878

agcttcta at ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
 ctatcttact ttctacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcacatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcact tttatactgg ttctgccaca cccttgtgcc tacgtccagt 300
 cccaagcaa ccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360
 acacaacgac gaacccttct ttgtgtttag agattctgta caacaagaga ctcacagtct 420
 cttaatccct tatagaatg 439

<210> 35879
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35879

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 catacgaca tgcaaatctc atgtgtttta gttaacaaca acttagttat ctttagtctt 120
 gtctaagcaa tatgacagat acatgagtgt ctaaaagaaga tccaagccca taaaaccttg 180
 aagttttaga gaataataaa gaatgagaga gtttatatgg ctnttagaca tatgtgataa 240

ggaacagagg aagcttgtgg ttgttcctta agcttctata atgattgaag attgaanaat 300
tagcaactgt cataacttcg taccctattg tccagaggct cttacctatg cgaatgtatg 360
ggggagggat gatgta 376

<210> 35880
<211> 406
<212> DNA
<213> Glycine max

<400> 35880

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gaatatatat caccccaaca aaaaaatgag agaaaaaac caatataact tttttttgct 120
gaaatcagac tcgaatgcat ctatgctagt ccaccgtagt gactaccac attatatgaa 180
tcatattcct atccagtaag aacatatcag cttcttcatt ggttcaatcc ggaatctttc 240
gacgaggacc cgcagtttcg tatccacaag gcagtgtatt tctaaaatgc acttattaac 300
atatttcagt tttgttcaga atgtgtagag acttgcacac ctatcacttt ggtgtcatgc 360
tttcttttac ttcgactgca acgcgatcta gaatatTTTg tctttg 406

<210> 35881
<211> 303
<212> DNA
<213> Glycine max

<400> 35881

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agatatctcg attttccatc tgataactcc atcaagttga gcttttcaga aaattcagaa 120
ctatgagcag caaccagttg gatgcccttt tcaaaacttg tctttggggg ctctataaaa 180
tgtagactat caattgtttg aggctttgaa tgtctcggac ttaacacata tggagaacac 240
ttgcgtgtgg ccatctgaca tggaattgag ctgcggttct gatgcgatca tccttgcttt 300
ttt 303

<210> 35882
<211> 265
<212> DNA
<213> Glycine max

<400> 35882

gaaaagttct ttcagaaata tgattctgga ataaccaca ccttgacat accatatata 60
 aaacataattt ggtagttct aatatataat taatgctttt gctacactca aagaagtcta 120
 atccctacct actctaaaag aattcatgag aatcatagct tttcgacaat cttatatgta 180
 ttcattacct atcaaacacg aaaatcatga catttcgctg taacattctt gagagcatgt 240
 aaagatattc agctatgaaa catct 265

<210> 35883

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35883

ctgaaattnc tctatagata aggagcagat atggtcagac cagaccaacc tccttcacaa 60
 tacagtgttt ctgatatttn tgactcagaa atttccattc atctcattgg aaaagtccaa 120
 cccacatttc actgtatatt agattcaact tcttgatata atgtgctaac gaagcacaag 180
 atttagactc atgatattga gttcgggata ctcagaaatt taatctacaa tgggcatctt 240
 gttgaataaaa aagcacgcta aaattaacat gaacaaaatc atgccaataa taactataga 300
 acattagaca aactgacaa acttagtcgc attagccact aattgaataa ca 352

<210> 35884

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35884

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 agaggatttg ggggaagaag ggagaatgga aaagaagaca ggggggaacg aggagggata 120
 aaaagaaaag ggggaagagag agagaaagaa gagagggaag gaaggaaaaa agatagaatg 180
 ggagagagaa aaagagaaga gaaaaagaga aaatagaaaag gggagaggag aagaaggaga 240
 ggataggaag gaac 254

<210> 35885
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35885

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 gtanctaaac tctagcttct caaggaagtt ttctcacaga agcttctcta ggaagttttt 120
 tcaagaaagc ttcttaagga agctacctac tctataaata gaagtatgtg taacacttgt 180
 tgtaactttg atgaatgaga gtcttgtgag acacaactca tagttcaact tctctccctt 240
 tttcttcctt caatttcgtg ctccccctc tctctatctc tgctctatc tttttctcca 300
 ttgaagcatc ctctccaagc ttcttatcca aggcctcatc tgggtggtgaa gctccctctt 360
 ccatggctta tctcctagtg gatgacgcct cctctgacct cttctacttt gtcgtccgat 420
 gcatctccat ggtggaaaat caccattg 448

<210> 35886
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35886

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 ggagcacaat agaattgatga ttttgctgaa ttaaagtgtg tgacaaacat tttaaatga 120
 aattaagact ttattgtaaa atatataatt aaatcaattt cgttgTTTTg tttttttcat 180
 cttcactaat atgctggaat tgtgattata tattacatct tcggttgTga aanaagtaaa 240
 gaatagaatt actattacat tatataaggc gactaaatat aacatgtaca atagaaatac 300
 aatttttgtt gtacaatgta caacagaatt atatttttat tgtgcatcgt ttattagcaa 360
 agaaatatat aaatctttca ctaaataaaa ttgagattat ctgttataca atagaatctt 420
 ga 422

<210> 35887
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35887

agcnngactt acactataca tggcaagttc aacatgcgtg ggcgaaatth cttcacaaat 60
aactatcctg aagcagaaac ctagctaaac taccatcat atctccctaa acccaatacc 120
cacaaaaatc aagtgagaaa gaagtctacc caaacctgaa atttcaaagt ctcacacata 180
gagatgtgct tcacaactcc gaanatgcct tcctttcgcg atttgagca gaaatgggtga 240
ctaaagggtg gagctntaat ggaggcttca atggagagga agaagaagag aatggaaacg 300
tgagagagag agagagaaaa aggcttctga acatttgggg ctgagtgagg agagagaata 360
caactntcat ctactattat acaaacaaag ccctgacatt ggctgtagga ccacagtgtc 420
atgctgtggt gcttcaattc ccgccccaaa atatcac 457

<210> 35888
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35888

agctannttt actgtagcga ctntatcttc ttccagagac ggcacacagt gcttctggaa 60
tcctcacgtt taatcctcaa tagaatagta tactctatag ttttaactca cacagtgcac 120
gcaaaaatgc tactgtttca tagttccagt tagtcacggg ttacgaagga aaacgaaatt 180
cataggagag aaaatgaaaa aagcaataat caaaagcttg gtggtttaat agccttacct 240
caaaagtcaa aacctttcaa gcgttattct tcctttcatt aactctctcg cttggcacaa 300
ctttgtgggt tttccctcag atcttatgtt atttctttat tcctaacagc acgcatccat 360
cgttgaggtt gattccagcg atggtgcaga tcttatggtt 400

<210> 35889
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35889

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gtacgacagt caccgcttta tgagcgttgt acaccagcag cgcttcgaag ccatcaaggg 120
atggtcgctt ctccgggagc gacgcgtcca gctcatggac gacgagtata ctgatcttca 180
ggaggaaata aggcaccggc ggtgggcacc actggttact cctatggcca agtttgatcc 240
aaaaatagta cttgaattnt atgccaatgc ttggccaaca gacgagggcg tgcgtgacat 300
gagatcctgc gttagaggtc agaggatccc gttcgatgcc gacgctatc 349

<210> 35890
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35890

agtcttatta tattatttca ttcctataga atttgtattc accaaaactc ttattangtg 60
agttactcgg aaggaaaaag aaactatatt cttgctctat cgagcttttg ctttcattat 120
tctatttatc atatacttca ttgatttttg gtttctagtt cattctatctt gcaatccatc 180
actgcttgag attgatccag tatgtggctg gtaccgcgaa tgtcctttta ctctttctac 240
cacttgtttt gtaatttttg tttaacgaac atgcttttta tagaaactga ttatnttntg 300
tgtatnttgt tgtttcagct gtgtatccta acaagagaca caagaaaaac tacatttctt 360
tgtgttctta tacaagaaa ttaatttcca tgaaatcaat gacatacaaa atagaataac 420
aaaggaagca ccagtgatga agcaat 446

<210> 35891
<211> 401
<212> DNA
<213> Glycine max
<400> 35891

agtctttttc tctatggcga tatatggatt cgtccagtac ttgataacag cttatgcac 60
caaagcgcta cacaattgac ctggccgaaa atcttttata aaaatattca tcagcgtcca 120
acacatcttt ttgtccaaact cgctaacaaa acttgtggaa atattttata ctttcattta 180
agatttcttc atccaaaaat gaacacttga tatagttctt ttctctatgt tgttcgaatg 240
ctaaggttta tttgtgctta cattcttcat tgtatgaacc ttagtctgat attccttttt 300
gtttttttca aatatgctct aatgttttaa tttcaaacat gaaaataaaa aaattgtaaa 360

<400> 35894

agcttggttt cttttctagg attntggaat cgattaccag tgacaagntt tgaacaaaaa 60
 tcacaagatg taactcttcc aatgggtttc aagggtttct aaagggtata actcttccaa 120
 tgggttttctt gaccagactt gaagagtcta taaaagcaag accttgattt gcatttgaat 180
 aacacttact actttacaaa caacttttcc acatattctt ttacaacctt tgaatctctt 240
 tgaacatctt cttgaacttc ttcttcttct tcttcctttg caaaagcttt ctatagtttt 300
 ctgggttttcc aaaccttcga aacaaaagtg tgttattcat ctttttcatt ctcttcttcc 360
 tttgccanna agatttgcca aggactaacc gtctgaattc tattgtgtct ctcttct 417

<210> 35895

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35895

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 ccacatgtag ctgggaacac tntagcctca acagaacagg tataatacaa acaactatag 120
 tagctccatg gatccttcac caagacttca tcaacagtc caacaatcaa acagtataaa 180
 tcctgggtttg acaaanaaca attgtaatat attagcacac atgtgcacaa attagatatt 240
 ggtaataaac aaaagaatga aatggaactt gacctgtgtc aatgggtttta tctcacctag 300
 cctcaccact tttgcattac gtaaaaatct accaagtg 338

<210> 35896

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35896

agctntaaca ttgatacaac tttacccacg ggagatttat agagtgggtc atacttaaag 60
 actgcaaacc ctctanatca aaccatgcaa aaagaanaca cttcaaagat aaaagtcana 120
 ttgagtaa at catgtcttat ctacaagggt tctaccatta gcattctttt ccaagttgat 180
 gtatattagt acttgaaaga gaaagttaca atcacttaca gggaacaaat gcaatctcta 240

atntgttgaa accttgagac atcctttttg taggttgtaa agttcaaatt tataaaaaaca 300
aatttgaagc aaagtggatg aatttcagca actataatag tgaataagtt actacaagac 360
agaagaaaca aatgtacaaa gacttggtta catgtgcgca tgtgctatac cagaaataga 420
aagtacttgn gaagaacctg aatctaattc caatctt 457

<210> 35897
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35897

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gcacaggggg gaactacggg acaaccgacc aacgcagggg aacgacagaa cggagaaaaa 120
cacggggaaa acgcccagag aaaggacgcc cccccaaccg gccacgcaag tcaccatctc 180
ccggccagat gaccagcccc gccaggcaca gcccgagaag gcgacggacg tccccccacc 240
cacacgtcct aacaagcaca ggaccaagc acagcaggcc aaggcgacaca agaggcgcac 300

<210> 35898
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35898

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gctatttttac agaaataatg acatagtaat cttttcgact tataacaaac ttgtgcacac 120
atttccctga agaagaacat ttatgaacgt gcatacgcg aaaatatact gctatctata 180
tcaatataca aggatattca aaacattcta gctacctata tcccacacat attcttttga 240
caagaattca tatatgcatg ctgaaggat agtgccagaa ttacatatgt ccgtattcaa 300
agcattctgc taccanaaag tacatacgca catgcaaggt attttactac ctaaattatc 360
atacaaatta atataggttg ttgttggttg ctcatcaca tatattgtat acatatatgc 420
acatgcgaga gccaatattca tggtatggac aca 453

<210> 35899

<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35899

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tttccatgat tgataaataa tgttccttgc tttatcatat gagtatgggt ctccccaaaa 120
tttatctctg gttatggggc tgcgaattag tgatgattgc actcgaatga ctgatttact 180
tgcgaaacat acaagaacgg acacatactt acattcatatc atgatcagac tcaatatcaa 240
aaatacgatc ttctctgtga cctgaaactg atatgatttt ctatttactc gattcacaag 300
gaatagtatt tattaccaac acctttctat atact 335

<210> 35900
<211> 87
<212> DNA
<213> Glycine max

<400> 35900

atgacgatga aatcgaagtg cacattgaca gtgtggatgc tgagactctc tgggagcttg 60
atatattttgt taccaactat aagaaaa 87

<210> 35901
<211> 198
<212> DNA
<213> Glycine max

<400> 35901

agctcgatat ttttttgaca gcacactatc aatagagagg tgagtggata atcaatggat 60
aatagaacgg atcgcgcatt ttgctaactc tcttatattc cttagctcaa cactaaacag 120
tggattactt gcttgtatct cagcattgaa gagccatgca cagagactcc tcttgcattga 180
ctatgtggca taataacc 198

<210> 35902
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35902

agactctact gaaactagac atagcaanac ngggaantna gctcgacccc gggatactct 60
gagttgacct gcggcatgca agtcttttct atcttgtgnt agagacgngc attaggaaga 120
tgatatgata gaaaagagca attataatca atcgaagatt aaagaatgga taatagataa 180
gacgaacagg gggttctttg gaccatacaa tatctgaact acgtgcataa ttgcgcacag 240
agaatactgt tatagataag tattgataac ttggttggac ccttgggggtg tacatatatc 300
acctgtatca gttactaact gaatatttgt gtactctgct gtaccgcgtc gaaccaaata 360
taatatgaaa ctgataggga gatgtcacta catccaaagc catattccca cctaaatgtt 420
acctcactact gccctatcga tccatgatga ttatgcntat tatctttgat tcgatgggat 480
atgactagcc aagtcagtcc atgacatgct tatagtccgg aattacgatg acatacttg 539

<210> 35903

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35903

agcttatctc ttttcttgaa cctgtggac ctgtagaact ctgtccacct ttntcctatc 60
ttgacataat ttggtctttg tttgtcaaag agcattntac acctatccac ccttcataa 120
ccatttgtca agtgtagctg attgatgttc ttttgacgaa caatatatta aaatctttat 180
gcaagttcga tagaatttga aaataaacia aacaaaaaat acacatcaaa attattgtca 240
aagaaagtac agtgcataca aatgcatgat ttacaatagc aacaaccaca taattaataa 300
cattagtaaa gttaaggatg gngactcaca agatactgat tattgtgtct ttagtcaaaa 360
tttctctgaa ttntgtcatt taatccacac caaaaatttt caattaaact gaaattcact 420
aaattgctta atttggataa caactataat aact 454

<210> 35904

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35904

agcttgctta ttatatctct atcatgctct agctatatca ccggnatatg tttcgactct 60
agctatcatg tcttggctag tagatacatg attctcatgg tttaccctat agtctcttat 120
aacagcagaa gtccactatt ctatgtaatt tggaagtaat taagggtcaa tactccatat 180
gtntaatagg agagaaggca tattaaacac tggccaatgt ctaanaatag agtcattgtc 240
ttcatcaatg tcttcagaat ctgtttcatt gtttatgaaa cttcgtgctt gacacttctt 300
atattcttcc cactntttga ttgctntaag aagttcttgg gaaagaacaa ttttttctga 360
aaaagaaatt tcagttttgt tgggctcctt ataggggata tatgactcan aatatgaaca 420
gtgccataaa tcatcatgac atcctagagg gtctatatc 459

<210> 35905
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35905

agcttcttgg ttaatatctt ttaccacttc aacatgtcat tcgaagtcaa aacctaaggg 60
tggtacttgg gaagattang ggtggcaatg taagccttgg ccggacgagt tgggctagat 120
gactcaaccc gctagcccat attgactcac ccgcctaac ccaccaacct agcgggacag 180
gttggctagc cagccatcca tacatacata tacatatata tacaaatagg tgttttgtct 240
tacttgtcac tttgtatctt ttaagtttat agtgctattc aaaaatcaca atatatatgt 300
gctatcatct ttatattatt ttataaattt aattccttta atacaaatag acaaatttat 360
attaaaatta aatctaggat aaacaattaa tatattntat gttctctaga taaatctgtt 420
catttgggat aactttatag aataagatga 450

<210> 35906
<211> 601
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35906

aagcaccgga gactaacacg accgcagcat tgcaggttac atatannata ttaannnnaa 60
nnaaaaaaaaa aaaagaggan agttgacact gagcccctcg ncanacccca nnaannnnan 120

nnangnnncn ggngagnnna nanagangaa nggaaggnag ggagaggatt attttattgg 180
 aagaaaagag agagagagtg gaggaggggtg aaatagaatg aataaaggaa ggagagaggt 240
 ggaggtatga aaagagaatg ataagaatat gatagatgaa agtaagaaga agtgaagtgt 300
 aggggattgg atgagagatt gaggaacaat gagaagaaaa gtatatagaa gtaggagaga 360
 aagtgagaat gaaaaaantt gtaagagaag gtgaagatag ggaaagacaa agaatagagg 420
 aataaaatga atgagttaga ataggagaac gtagataatg agtaacataa gaagaagaga 480
 agatgcggag acaaagacga ggaaattggg gnatagagga aattacccaa ccacgcaatt 540
 gccccgcaca caggcttaac aaaccgaagc acggccgcca cagggccaac acaaggaacc 600
 g 601

<210> 35907
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35907

acgcaaaaaa gaagcaatca aaaaagggat tgctgccana cgccggcaaa cggcgccgat 60
 ttgacgggag gacgagaagc ggaccaaaaa ggaaaaggag gaaggacaag acggccaaag 120
 aggccaacgc acaaaaaaag gacaaaagaa aagaaaaaag aagaagaaaa caaaaacaaa 180
 agagaaacag acacaagccc caaaaacacg agggaagcaa angaaaaaac aggacgacgg 240
 acaac 245

<210> 35908
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35908

gaaagatgta agatcagagc acgagtgcaa gagaatagac tcaaagcaca catagaanaa 60
 tgcataagag cacaagggtg tgcacaagca catgagagta aaagcttcat ggtataaaga 120
 aacttcatga gcctttgttt ttaagctaaa attcgtattg ctgcttagc gcacagccgc 180
 ccttatcgag tcaatataac gattggtttt aacaaagcct tgtgcttagc ccaacctcgc 240

gctaagccca attccaaatt ttcaaattccc agagagtttt ggggcttagt gcagtangcc 300
 tgcgcttatac actgtctgca actcaaaatt ttctgcaatc gcgcttacat gtatgtangc 360
 tagcgctaatac cagctctact aca 383

<210> 35909
 <211> 625
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35909

gaccgacagc caccactaan attgangata cgagtcataa ctacagtctt antataaaaa 60
 anannaaaaa nnnnnnaaga ggaacgaaaa ctgatcctcn gtatnaccnc cnannanaan 120
 nnannnnngnc cnnggnngan nannaanaan anannnngnag gaaagcaaga nnattttata 180
 gngnnanann aaaaannagg agaaaggaag ggaatagnag aggaaggaga gaaaaaagta 240
 taaggtaaaa attgaaaata agaaacgagc aggaagcata aagtgaaaag acccggtgc 300
 ccaatgagag agctaactca caacaataga cgcgcgctca ctgaccgcta tacaatcgag 360
 aaaccagtca cgccagctgc atgaatgaat aggccaacgc gaacccttg cgcccgccca 420
 gaccggaac caaagctcat gtacgacaag cgaacaacaa agttatgcca tgcacccgat 480
 gagaacactt attcaagcgt agcaaccaga acgctaaggc caccaatact gccttataga 540
 aatacgccca cacctgcca tcaatcgaâa acagatggaa tgcgtacaac atactgccga 600
 cacggaaaac atcacaaact gaccg 625

<210> 35910
 <211> 629
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35910

acgcgagcag agaaccactc gtagaccgag tacaaagtag catanacca aatttttaaaa 60
 nnaaaaaaaa nnaaannagg gagagacggg gnttttgatt cgagtacgat acgccnggcc 120
 aanncnacn cngnncccg ngacgcgana ggnccaccc gcaggcaagc aagccacta 180
 ttttatttta agtccaagcc cacacacgaa gaagaagaga agcagggcaa gaccacatga 240

gactggatga catacaagat ggacgaaata caaccaagat gaaataacag acggataaga 300
 taagatgtga taaaataaaa tcgcccgtc tctaaaagac caagcccaat agcttataac 360
 gaccctgcaa atgaaaaaaa acacaaaatt aggcattggag acccacatga caaaactgca 420
 taatgaagtg gacaaccaag gctaatacacc aaataaaatg gcgagaaaaa ccggtcagaa 480
 acaagagaaa ataattgacac atcagtcatt tcggacaacc attagctagc cacacactcc 540
 cctgacacta gagactgacg acttagctcg accttgacca cactcttatt tcaagctcag 600
 cccaaggca agcactacac ngctacccg 629

<210> 35911
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35911

aaaagaaaag aagagaaaaa aaaaaaagaa gagggagacg ggaccnaaaa gaannnggaga 60
 aaagaaaaaa gaaaaaataa gaaaaaaaaa agggagagag agaaaggaaa aaaaagaaaa 120
 gaaagaagag gaagagagga agaagaagaa aaaaaggaag gagggagagg agaaggggaa 180
 gaagagaaaa agaagaagaa aaaggaggaa aaggaaaaag agggaggaaga agaaagggaag 240
 aagagaaaag ggaaagaaaa gagaaaaaga gaagaaaaaa aagagaagag aagaggaaaa 300
 agggagaa 308

<210> 35912
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35912

aacaacatga aacggaagag gaaagagaat aagaananaa cnaaaacana aaaaagaagg 60
 gtgattggat ctgtagnaca gcaancanan aannnannaa ngagggannn aaaaaannan 120
 anagaaaaaa aaaaaaattt tgttttatat ataaannaat attaatgga gagagtggag 180
 agatgtntaa aatgagatag gatagaagaa ngggattagg aaggaaatag agagagaaag 240
 agaaagggaa gaaagagagg ggataaagat gagaggaaag aaataggaga gagggaagag 300

atctttgtct ttgtggaaga acatggagat ggtgtgcgga ggcgaggtat gacaggacgc 60
aattttccct ctgcaaggac gccaacgcca gtgacatctg agaagcttgg atatataggg 120
actgtaaagc aacttagaag ttcattgacta ggacttgaga agagtgaaag gttaaaatac 180
ttctatctct taagtttgac aatttgttta agtgcacaga tttaaagctaa tgtttttgat 240
tctacgtagc agggcaggtc gtccaaccac cagtaaaactt tctgatcgta aggcataatgc 300
acgccagaaa cattcagcaa ttagtgcac agcagatnnt cttggtacta atttctgctt 360
ctagaanaga ataattgatct caccttctca tatgtgtata atacaagtat atcattaatc 420
ac 422

<210> 35916
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35916

agcttagcct attatactac ttangtttat agggacaaaa ataggtcaag caacttgta 60
agggtcgaac cttcaaaciaa gctcgccag ttaagtagat ttttaggcta tcaattcttc 120
aaataggtaa aattgagtca taaaaaatgg tctatgacaa gtaaacaatt catacttagg 180
cttaccctaaa gtctagccta gtctgtcttg ttttcatctc aaatgcctat atttaagttt 240
ttttttttat aaaaaataa gtctatttta tatctatgca tttattttat atttactatt 300
taatttaata cttaaagtgc tntttcattc ttgcanatat gttacttttc ctataagtcc 360
agcaagtata ttttgggct ctcaaattat atttnttatt tgtagctctc taaataatat 420
tntttaataa actcc 435

<210> 35917
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35917

agctnctata ttagtctatc tcatttatca ataaagacaa gttgagttnt attcagaaaa 60
ttagagtta tctctcttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120

gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt ttcttccttt catcttcacc cttgttcttt caaaccacaa ttccagagaa 240
 ttcacctctg ccagaatta tctcgtggcc ataactccca ttntacgcac tcaaattaag 300
 tgattcttga gctacattg aatttcataa cgagaccttt cacctcgctt tggaatcacc 360
 tcatttggag tctgttagct tcagttattg ccatttttat atttctgcca gccatcactt 420
 acactacgtt taccatccca tcatccatct atg 453

<210> 35918
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 35918

catatatacc tctcctcta cataaccatt aaaaagaact gtttcacatt catttggtgc 60
 aactcaaggc caaataaagc aactaatgcc aagatataca aagagaatct ttcatagata 120
 caggagaaaa agtctttgtg tagtcgattc cttctttgtg agtaaattccc tatgcaacga 180
 gtcttgccctg gtatctctca atgttggcta atgaatccct tttgggtctta aaaaccatt 240
 tacagccaag ggcctttgcc cta 263

<210> 35919
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 35919

ctctttcaga gccatgctat gtgctcgtga ctggccattt cttccctcgc acttgagtcg 60
 ctatgctacc cataagctcg cgaaattatc cgggccata ctcttcttgc gagccctctt 120
 ggtctcttgt tcaagggctc ttgcggtaat tgcattctct tcccgttaacc cggcacactc 180
 ctt 183

<210> 35920
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35920

gcttctatct gaccaaaaag gacggtctta taccgcgccc tatttttgct cgagctcatg 60
 ctgatatcga gatgggttctt ctgatgggat atgggtacgaa tcactattat aagcatatga 120
 ttaactagac gtgcgggttac atgcctctct taaaaacttt acatgatgat ttgtaattat 180
 tctttcttct tttcgaatgc ccgaccaagc tttaggcgac catcatttga aatattactg 240
 ttatcatttg atgtactttc tgggctatth tttc 274

<210> 35921
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35921

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 cgacttaca caacgagccg cgagagactc atcgtaagga tgcacacgtc aaagctgact 120
 ctgcgaaaag attgtatgac caagcgatcg tgcatttgc aaagaagaat gaaagttata 180
 ctaaacgggc catcaagaga aggaatgaag tggtagtggg acctgatgat gatcctggac 240
 atgtgatggc aaatgctcta cagccaagat ggaatgatga tcttgaaatt ggccaaatac 300
 aagctaaatg ccta 314

<210> 35922
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35922

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 tttattaaag caccacatgt gctggaaaca acatatatac atgttgcaat aatccctcca 120
 gaatgaacat cacagccaac aaaaatcctg tccttcccca gtgcatacca tatatgtcct 180
 aaggaaaaag aatcttanaa tttatttcca tgtgtttttc aatatatata tatccatgta 240
 tgggtgcattc ccgggggaatt ttgtagcttc tttattttac tatattctct catactttta 300
 ttctcatcta gagtgatgaa aatgtggtat tcttatgaga atatg 345

<210> 35923
 <211> 533

accgggatcc ttaagcacct gcagctgcag cttttttttt atttctatca gctatcccag 60
aggagaacga ccaagtgtgc cacacttcat agcatgggcg gagcattgat attatcagcg 120
aagcctgaca cttgggcatt nttccatgga cacaatgato gtgtcctagt gagccataat 180
accctgcctc agactttcgc catggcatgt tgagcatgct ccaaggatcc tatgcattca 240
tagcattttc acctcctgac tcaccatcga gcaaacatta tgggtctctg acagaatcca 300
ctcagaaaag cgatgccctt ggacattttt gtgtgogaac ctccatgggtt tttgcttcat 360
tatgttattc 370

<210> 35926
<211> 247
<212> DNA
<213> Glycine max

<400> 35926
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taatccctcc agaatgaaca tcacaggcaa cataaatgct gaccttcccc agtgcggtacc 120
atgtgtggcc taaggaatag gaatcgtaaa atttatttcc atgcgtatgt caatatatat 180
atatccatcg ctggtgcata cccggggaat atctgagctc ctttattgta ctatattctc 240
tcatact 247

<210> 35927
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35927

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ggtgattttc caccatggag atgcagcgga agacaaagga naggaggtga gaggaggcgc 120
catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
agaagcttgg agaggatgat tcaatggagg aaaagataga gggagagaaa gagggagggg 240
gagcacgaaa ttgaaggaag aaaaaggag agaagttgaa ctttgagttg tgtctcacia 300
gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat agactangta 360
gcttccttga gaagctntct tgatgttagt gtntagctct actg 404

<210> 35928
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35928

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 atatctccag gtaccactnt gtggtcaacg aataaaagta ggaagactga ctcttcaca 120
 ctttctcact tcaagcttgt aggattatgg ggtacccatc atatatggta ctaggtggca 180
 atcgggcgat ggtgcaagtc gactctccac atccacaaat cacagataaa tccaccatcc 240
 ccagttgccc accttcaact gagctcacgt actcccacgt agcccttctc ctggttcttc 300
 tcaacaccgg gtcccatca atccctcaa gttccanaa catccaagca attcaacatc 360
 caaacatcat gagctatcca aaccaagaaa acagggcaga ggcagattac tctgccc aaa 420
 acacattcca ataccacagc tntccttact canataccca gt 462

<210> 35929
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35929

agcttcaaca atggttagat ggaccatntc aagtgcttga aagaatcaat gacaatgctt 60
 acaaagttga gctgcccggg gagtataatg ttagttccac cttcaatgtc tttgatttac 120
 ctctttntga tgcagatgta gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180
 atgatgagga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgtg tccatactat 300
 tngaatacaa gcccaagttt caaggagaat agtccaaggt tgtgagttgt atcatggccc 360
 anatggagga tgactatatg acaccactct tgtctcaatt tt 402

<210> 35930
 <211> 64
 <212> DNA
 <213> Glycine max

<212> DNA
<213> Glycine max

<400> 35933

ggaaggggaa aaaaaaagaa aagaaagaaa ggataaggga agaaagaaaa ggaaaagaaa 60

gaagagagaa acagagaa 78

<210> 35934
<211> 240
<212> DNA
<213> Glycine max

<400> 35934

taggcgcgca cacttttagc ccgagggagc ccgctgtaac ctaaaggctc tattattctt 60

catgctattc tgggaaaaca gagacctggt aaatccccct actccaggac tctatgatga 120

tgtcatttac acagtaccct cgtaagcagg atgaaacctt catgctaage tactaggacc 180

cagggtccgaa agctcaaata tagactcact agaaaaccgt aattgaggct gcagcctttc 240

<210> 35935
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35935

agcttgaagt gngtatccca caatcttttc atagtagaat accggtaatg tgtctactat 60

cattgtcatc attttttttc ggtcattgag gtgccacttg agctgccagg tctctccacc 120

tttggttgta ttctttgaaa gatctgtgcc cctttttgca catgttctgt tgttgcatcc 180

tatccagaac catatcaaaa ttgtactgat actgcctaac gaaggcaacc attaggtcct 240

tccaagaatg gactcgggaa ggttccaagt tagtgtacca ggtaacagct accccagtaa 300

gactttcttt ggaaggaatg tatcaacaat ttctcatctt ttgcgtat 348

<210> 35936
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35936

ncaagctttt ctttttagctt tgctacaacc tttatctccc cctgtggcaa catcaaaaag 60
 ccaaagaact cggaaatcaa cacagttata acaatggagt agcaagatat aagtatcaga 120
 gtattaaatc caataagcca aactcataat caaggaaata atcaaaccag aattcaaata 180
 acataaaatg tcaacaacca caaaatatcc aagactgaaa cacaagaaaa ataagcaaag 240
 tacttagcat aataatgtaa attctaagaa actaagagcc aaaatacacg gcttataaaa 300
 gataaataag cagaatctaa aatctatgaa gacgaaggag gtggtggaag atcaaaactc 360
 tgacgaatgt atncgacatc ctcttcaagc tgtgtaagac gaatgtccat accggcanag 420
 cgtgaatcta acgagtcana gcggtcacca acatac 456

<210> 35937
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 35937
 cacaccaaca agaaccaata aaaaaaaaaa ggattactga accaaaaaaaaa ggcaaaaccc 60
 acacaatgaa agggcacagc ggaaaaacaa aaagacacgc gaaaaacgaa caaaaaaagg 120
 aaacaaccaa acccaaccca accaaccaga ccaaaaaaac aaaacacaaa aaaccaaaag 180
 gcacaaacaa agcaaaacaa ggaagacaca cccaaaagac agaacaccca caaaccccaa 240
 aacaaccaca gcacaac 257

<210> 35938
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35938

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 tggatgggtgc ctccccctctt ctcttctcct ttgccttcgc ctgcatctcc atggtgaaaa 120
 atcaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa gctccacaag 180
 taagcttcca tcatgtataa atttgcatag aattctttca ccaatacag gtctatgctc 240
 ccacgggcta aattgggtgag gcgtttatgg aaattacgcc tctccagctc ggtcttaaag 300

tcacctaact cagtgtgata caactctact ttccctctcaa gtaaaatggt tcttcctaga 360
acattatcag tgtattttggt ccaagcatct aatgaagaga atctccttgt gtcattattga 420
gatg 424

<210> 35939
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35939

agtttgttng ttattcttga tattnnaagt ncatcgagat ggtggatntt ataatccatt 60
tcgcttaaca cgcgaattaa gcgaatgtta catgtggatt ttttatattc taatataaaa 120
aatatataac attaataaat aaaatgtgta aacaaagtaa aaaatatata atttaagtgt 180
tttttatata atctaagtct tgctgaatga tgatataata ttttgagtta gtataaaatc 240
atatattaag taaatataat gtaaaaaata tattttaagt aatttagatg caaattgtgt 300
tactatttta gataaataga ttgtgcatta aaaaagttat agatagattt taatatgatc 360
ttatatcggt caaa 374

<210> 35940
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35940

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atggtagcat atacttcaga tcatctttct tcaagtgagt ttgaacccca accgtangaa 120
aggcagtaag gcacatgttg tgagtctaga ccactcacia gtatttttagt catgtgatga 180
gcaatttatg tagtaacata ataacatgag agtcttcaac taataagtat tcaagctatg 240
attatgaatt tgctctcttc ctttttgatt aatgctntct aattgtggta agtgtgtcat 300
aaagtgtttt gttatacgac agttaaaaca agttaattgt tgacacaaaa tattttgtta 360
ggcacatta attacttata caactaataa gtcaataaat gggtagtggt tggtatgtnt 420
gctaagtcaa ccatcaaac taatctgtga ataact 456

<210> 35941
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35941

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 aaagtctgag agaccataca agtttcctag cgattttctaa ttatgtggga cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatntctt cgggggcgga gtaggtgtcc 180
 gccatcgct tggccttggc taacaatcgg ggaagttctt aactccggt caaggtaaga 240
 gcaaaccgat ccattccacac cggtgcctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt ctgcgtatac ttgggcatac tcgtccgcga ccctatgctc gt 352

<210> 35942
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35942

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 ttatgcgcgc attgtggatg tggaaaactt gttgtgcacc atcgcccgac tgccaccaag 120
 taccacatgt gatgggtacc ccataatcct acaagcttga gatgaggaag tggtgaaggg 180
 tgaaacttcc tgcttttatt gttgaccaca gagtgggtacc tgtagatatg tcgcggggggt 240
 caggagacct tgtggacgtc aggtgggggtg cta 273

<210> 35943
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35943

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 tgagcttcca ccttgaaatt gttgnttcta acctctcgct aacctatctg ctggcttagc 120
 gactggccgc aaagcacaac actcatgggc ttagcgtgaa gaagactcta gaanaagatg 180

aattggacca gttcgcttag cacaccactt catctcacia agcgcaccgc ttncgggtcat 240
 cttgctagcg agaaaggcac gcgcttagcc agcattcact aatgtgcgct aagcgggtcca 300
 taagtgcgct tagcacatga gcacgaacaa tgccacctat ttaagcctga tattagattt 360
 tagaaagggg agttggactg ggattcagag ttttgcattg ctagagggtc tagaaagaga 420
 aanggtccca gtnccataaa gtttgagaga ttttgtgtgt aagatctgcn agaccagagc 480
 ttgagcagga ccgattcaga cttgaatgag tttggagtg 519

<210> 35944
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35944

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 tccaatatga aaaatcatca acccagaatg agtcaacatt attntgttct ctaatgccag 120
 gtctcataag ataacaatac aaacaacatg tagcatcttt tgatatatta tattccaacc 180
 aattgctaaa tttcaaaaac caatcacgat taaactttca aattagagtc ttaaattggt 240
 gtattggaaa atcatgctct cttggctgac aagggttcttt ttgctaataa actcttcgga 300
 tgttatccca attattagga tgataacatg atattntggt cctctctcct agaatagcat 360
 gagaatattc cagatcaact tctaagactc tttgtttcac atatgactat aat 413

<210> 35945
 <211> 270
 <212> DNA
 <213> Glycine max
 <400> 35945

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 tgtgcagaaa tatttgcaac ttcatttgca ttactctctt gcaaaatgtg tggaaatgct 120
 attattgttt tggcatctta attctgtatt ccttattgct ttggctaata ggatcattgta 180
 atacgttgat attccaaaga tgcattgttag tagtaactct tccccaaaaa ttataattat 240
 tagagctata tacaaatgaa gttcaaacct 270

<210> 35946
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 35946

agcgccgagc tcgaaacaac aaaggaacgc ggggaagaca cgagctaccg aacgattttg 60
 ttcgccacac aacagggggg ggggaagaaa accccccccc caacagagaa aaagaaaaac 120
 cgggatgaag acgaaaacag aaaaaagcac agcaggcaca ccaggggaac acagccacaa 180
 ccaggcccgc acgaacgcgg gagcaaacc cgaaggaccc gcacaagagc caacaagaag 240
 cgggaaaaag agacaacaag aagaaacccg taagacgaca aaaggaaata gaacaggcga 300
 gcgaaagcca gaaagcgcag agcaaaagag aaggaccaag agggagaagc aggcagacgg 360
 g 361

<210> 35947
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35947

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 gggaaaactt atgaccattc gaatatctcg agagctaccg ttgttcaatt tcgagcgtct 120
 cgatatatta tgacccccaa tcggacatct atgtgaaaac gtatgaccat tcgaatatct 180
 cgagagcggt cgctgttcaa tttcgagcgt ctagatgagt tatgtcctcg aatcgaacat 240
 tcgagtgaag acttatgacc attcgatttt ctcgagagct tccgttggtc aatttcaagc 300
 gtctcgatat attattgttc ccgaatcgga cactctcgaa 340

<210> 35948
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35948

agcttcatga ttgattggcc tcagcaaact ccttatttcc agaagggaat tctatcaata 60

gacctccaat ctttaaatgga gaggggttacc actactggaa aacccgaatg caaatTTTTa 120
 tcgaggcaat agatctaaat atctgggaag ccatagaaat atggccttat ataccaccca 180
 cagtagagag agtttcaata gatggtagtt catcaagtga aagcataacc atagaaaaac 240
 ctagagatag atggtctgaa gaggatacaa cagcagtact atacaactta taaaccanaa 300
 acataataac atctgcccta ggaatggatg aatatttcac gggttcaaat tgtaagagtg 360
 ctaacgaaat gtgtgacact cttcgattac acatgaangg actacagatg ttaaaaatct 420
 aggataaatg cactaactca tgagtatg 448

<210> 35949
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 35949
 aaaacaggga aaaaaaaaaag agaaaatttt gaaggaaaag aaggggaaga aagagaacag 60
 aaaaaaaaaa gggaggaaaa gaaagagaga aaaaaagaga aaaagaggga gcaggggaag 120
 acaagaagaa gaggggaaag gaaagaaaag aaaaagagaa aaagaggaaa caagaagaag 180
 gaacgagaag aaaagaaaaa aaaagagaag aaaaagaaaa ggacaaagaa acaggaagag 240
 aaaaaaagaa 250

<210> 35950
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35950

ccaaggacaa gcgaacgaaa gcaaagggat tntacccean ncaannnaaa gagtgtctac 60
 cctcatcaca cnnaaanaan ggganngaga gnnaagaga gagaggagga gattgtgtgt 120
 ttataggga gaaaaagggg ggggggagag gagaaaaaaa aaataaaaaa aagaaaaggg 180
 aagaaaagaa gaaggaagga ggaagaaatt aaaagagaag gaaaagagaa aattgaatga 240
 agaaagtgga agataaaaaa aaagagtaaa ataaaaggat aaaaagagtg aagagaagga 300
 agagaaaaaa tgaatgaaga agagaaaaat taaaggaaga agaagaacga aaggaaaaaa 360
 ttgataaaga ataaaaaaag aaaatggtta taagaagaag gaggaggaaa attaaaggga 420

aaagagaant gaagaagaat gaaaaatgaa ggaaggtgga aagaagagga agaagaagag 480
ggaagaaaag aaaaaaaaaa agatgaagag ggc 513

<210> 35951
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35951

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ggccactgct nttccatccc gcgatgcttc tcttcatatc cgcctgagtg ggcttatagc 120
ctaaaccata cttcccacga tttcctttgg catttatcag gctagttatg ccgccgctgt 180
ctttgcctaa acccattccg ggttcgtaac cgttcccaaa cataactcgg gccatcatta 240
ctgctgcacg ggacaggcaa ggctaccag agaaggagtc cacagaggaa atgcttacca 300
cctcaaaaga ctagaaagcg gtgtctaacg attcctctgc gggcttcaca ta 352

<210> 35952
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35952

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ttgcatccct gccttatata cactcttgtc cttgaagaac aaccatttta tgctatggat 120
caaattcatt atatttatac ctgacctatt aaacactaat gtatacataa taacctatga 180
aacattaagt gctagctcat acatagctat gaacatgtag ctagaccatc ttgtggtagc 240
aaactccttt cttgatccaa tgtctcccta attgccttgt aaaagggttat ccatgaagaa 300
gagtatgcat caacaggacc ccacataaag gtatgggttg gacttgcang gcatgcagta 360
acaaaaacca aaactgaaac tggcttaata ttctgtggga aattgaatgc caagttatca 420
ac 422

<210> 35953
<211> 306

<212> DNA
 <213> Glycine max

<400> 35953

actgcatggc tgtgtcgagt gaccgtaatt gcaatgatac cggtaatgta ttgagtagtc 60
 ggctctcaat ggcgtgtag ccctttttgg catggccaaa atgtctacaa ctaacgcctc 120
 atccatgata tgagatctat tggctgtagc gtgagtgtag caagcataac acggccatcg 180
 gggtggtcga tccctcttct cgtagtctcg agctttgttc gagtcgggct tatcatgtct 240
 atattggccg aaatggcata cactcacacc tgttgaggtc gactattgac aaattatgtg 300
 cttaaa 306

<210> 35954
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 35954

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 gaattgccat tccttggatt atagggttga accaagctca tgcttttaca aaaagggttca 120
 tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaattg 180
 agtcacatca ctgcttcgtc tactgcaaaa catatttagg attattgatg tccttgttac 240
 ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
 cccatatctt gcgtaaaaaat tcgcaatact tcaactgtgc atcattcgca tgcattccatg 360
 ctattcattg gttgcattgc tcgttgcatt ctttccttga aaaatacaaa aaatgaactt 420
 atcattg 427

<210> 35955
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35955

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 gtgaaaagtt atgaccattc gaatttctcg agagcttccg ttgttcaatt tcgagcatct 120

cgatatatta tgtcccagaa tcggacatcc gagtgaaata tatgaccatt cgaatntctc 180
gagagcttcc gttgttcaat ttcgagcatc tcgatatatt atgtcccaga atcggacatt 240
cgagtgaat ttatgaccat tcgaatttct cgagagcttc cattgttcaa tttcgagcgt 300
ctagatgagt tatgtctccg aattggatat ctgcgtgaaa agttatgacc attcgaattt 360
ctcgagcgt ctctttgntc aatatcgagt gtctcgatat attatg 406

<210> 35956
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35956

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tagagagctc ctaagtttcc agatgcgac taattgatta caatatgtgg taatcgatta 120
tatcaagcta caaagacttt cttcttttga aactagcttg ggttatcgat taattcaata 180
aaaattacca atatttgaag agaactaaat tttgttgctt gttctaacac tctgcaattg 240
attacttaaa cttagtaatc tattacacat tgtttgaact tattgcttct tagaaactat 300
gagattaatc catctatctt ctcatgtntg ataaccacta agcatggata aagagaacta 360
aatctaagac acttaacatg cctagtttag atatatctga tacaatgcc atatctttag 420
agatctgttg acatttcaca tattaata 447

<210> 35957
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35957

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tcaaccgctt ccaactcatt caatacagga aatttaccac cagaacatct aactctaatt 120
atctcatata caagatgctg cgaccttcta aaatctggag cccatgaatg tatgtcggcc 180
acattcaagt ctgataactt ctttgacgag ccagagaatg ctgctgtaaa caccctgcaa 240
ataaatacag tctacacctt aactccatac atagcttgca tcaaaacctt 290

<210> 35958
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35958

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 gcaaatcaac tctcccatct ccacaagtca ggcataagca cacaatcccc agttgcccac 120
 ctttaaattg agctcacgca ctcttatgta gcccttatcc tcgttctctc atgcactggg 180
 tccccatcaa cccctccaag ctttcacaat atccaaacaa ttcaatttca tttgtcatga 240
 aactacccta aaccaagaaa aacagagtgg aggcagaaaa ctctgcacaa aactcattca 300
 aattccacac tgtttcctac tcacataccc cagtaacatt ctcttcgttc tgattcgta 360
 accattggat cgccttgaac atttactgag ggttcttaat acagaaatct 410

<210> 35959
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35959

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 tcaaggtttg agaagtgaat atgagaatgg ggtaactttg gagcaaactc tcattctcaa 120
 caattctata acattaatct aaactctctc aaactgtttt tacgactaaa actctaccga 180
 atcaaaattt gactcctcaa caccgaattt accctataaa tggctcttgc cttcactttg 240
 gtcactcatt ttctctcttt gcacagccca agctttccca cagtctctaaa tgacatttca 300
 aactaggatt aactcactct aacctccaat aaccactaaa tccagatgtg gctcttcaaa 360
 tctctgaagc atcacactct ttcactcata tcactacatt cttaattctt aaccctaagt 420
 taactctacc cttcatctct atc 443

<210> 35960
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35960

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 ataagttgac ttaattaaca tcggttttga aaaaatcgat gctaacattg gtttttctaa 120
 aaccaatgt taacattaat atcttaacat cggttattga aaagccgatg ttaacattaa 180
 tatcttaaca tcagttattg aaaaactgat gttaacttta atatcttaac atcgggttatt 240
 gaaaaaccga tgtaactgt aattgaaaaa accgatgtta acattgtaaa gttaacattg 300
 gttntgttta agaaactgat gttgtcttat tcataactta naaccccaaa atccattttc 360
 cccacgcga tcagttacca aaacccttct ccctttcttc gtcatogetc 410

<210> 35961

<211> 400

<212> DNA

<213> Glycine max

<400> 35961

ggcagcaagc tttttatctt ggccatgctg gattgttagg agagatttct tggcatttgt 60
 gctcataaac gcaatatcca ccactccttc attggctctgc caggtattgt gattacagca 120
 ggggagaata atcacattct cctctgacga cactttctga tactcatcac tctttctggt 180
 tgttatgtca gagggaatgt cgacgatgaa ttccctgact agactttcat atcaatctcc 240
 caacttggtg acagtattca acagtcacgc aaccttgatg aggacatgat ctctctgcga 300
 tccacagcat ctcttaccag agctctgtgt aatgcaagtc tcgctgata taaaaatta 360
 cacctttcaa catctgcaat ggagtggaat gaaatgttgt 400

<210> 35962

<211> 421

<212> DNA

<213> Glycine max

<400> 35962

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 atgcattatg taccatgttc aattatcttg tttgttgtt gagggttttt ttttagaaat 120
 gggtttatga tccaacatg gttggctcat ggtgcctaac acatgcaact aataatgtag 180
 tgtgaagttt cagcgttcca cctttttgtt tttgttttgt agaggaaaac gcatggatga 240

gcaaacatga taactgatgg tatgcaattt tgcaaatcag aaagtttggt gaacgcatat 300
 gcatgatgat gccatgactc atgcgatatg tgatgttggga atatgataac gtgcaatagc 360
 aggaatgata tgttcattat gatgtcatga agagatgctt atgcgatgca tgatatgaat 420
 g 421

<210> 35963
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35963

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 tagttttaaa aagttttttt caaaacctga gtaccacatg aaattttctc aaaacccttt 120
 accaaagagt ttttactctc tggtaatcga ttaccagatt attgtaatcg attaccagta 180
 gcaaaataat tntcaaaaag ctttcaactg aatntacaat gttccaattg atttcaaaat 240
 gttctaactg attacaatgt tttggtaatc gattaccagt gtgtttgaac gttgaaattc 300
 aaattcaaat gtgaagagtc acatcctctc acaaaaaagc tntgtgtaat cgattacact 360
 aatttggtaa tcgataccag tgatagtctt tgaacaaatc anaaaatgta actcttcann 420
 atagttttta ctttttttaa aatgg 445

<210> 35964
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 35964

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 ctttgaaaat tattatatct tttgttcatt tgttttccat tatttatgat tgctccattt 300
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<210> 35965
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35965

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 atntttggtc agccaacttt acaaggattg ggccattatt tagacaaact aaacactcta 240
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<210> 35966
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35966

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<210> 35967
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 35967

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 gttgatgagt acgctgctcg gaattgggat gaagaaaaag tggagaaaaa cgttcttatg 240
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 ccaccacaac aacaaatcag gaactatcat cactagagtc tgctctaaga cgagtaagat 360
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<210> 35968
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35968

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 gtattcactg atntacataa agaatcaat 449

<210> 35969
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 35969

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 aaatgagctg atattttgtg aggaacaccc taaaatcatg aaaagatagc acaaaaaatt 180
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 ggaaatggac ctctgggtga ttgccatggc atggggacatt ttcttctacc ccaaatacat 360
 atataataat agtcattctg ataccgcg 387

<210> 35970
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35970

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<210> 35971
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35971

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 tgcccacaag ctggctcaga gattgngggg cttatgtaca gtccagggtc caaaaatac 300
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 ggagtata 368

<210> 35972

<211> 414
 <212> DNA
 <213> Glycine max

<400> 35972

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 tcatttgatt tccagggtgt cacagaacct tacggatcgt gcataaatat tttcttttgt 360
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<210> 35973
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 35973

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 tcctcgggaa gtttcctgat gcacccccca atttgataag tcacccctcc tttatacttt 420
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<210> 35974
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35974

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 cttagccagg aagcaagaaa aggtccagaa tcctctagat gggcccagat tcaagaattt 360
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<210> 35975
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35975

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<210> 35976
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35976

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 ttcctttnga tttccngcat gttacggaac ttcacggatc gtgcaacaat gctctentat 360
 aacttctggc atattatgga acttcaggta ttgtgcaaca atgggtgcca agtatctcga 420

<210> 35977
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35977

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 cttgcgtgat tcaagaccgc gatggctgaa tcaaggacat tcacaacct cgtgagtagc 240
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<210> 35978
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35978

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 ataattatgg ctatccaacc agatttaaca aacaacttgt cgaggggtga acacccccag 180
 acccaaacca cagtgcgtat agacaaaaac aacaatatgc cgagaatata tattataaaa 240
 taaattcgca tgccattgat gtaattgcca gagtttgctc tgtgccactc ttatcattca 300

ataatcataa tagaatatag gcacacatga gaagatagtg aatcaacaac attagactnt 360
tcaagcgatg 370

<210> 35979
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35979

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<210> 35980
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35980

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acgtatc 368

<210> 35981
<211> 446

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<210> 35984
<211> 386
<212> DNA
<213> Glycine max

<400> 35984

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aggaacaaat gttctaagaa tactct 386

<210> 35985
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35985

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366

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caagggtcttg	catttaaatt	tgtaggttat	gtttcgttcc	actttgtaat	ctgagccact	360
gttggaatat	ctgccaaagg	acttgcaaca	tacttctctt	ctacaacaag	tgtt	414

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cgcggaactat taagcattt                                     199

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<210> 35989
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35989

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<210> 35990
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35990

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 aaaataaggg gctctaaggg tatgttaagg aaataaataa taaaatatct gaataaaatt 180
 caaaanaaag gtttgaccta attaattgtgc caaataaaca ttttttacct cgtgttatgg 240
 ctattggtta ttcttaaaaa atag 264

<210> 35991
 <211> 377
 <212> DNA

<213> Glycine max

<400> 35991

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<210> 35992

<211> 679

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35992

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gaatgntatt ggccgtcgn 679

<210> 35993

<211> 487

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35993

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<210> 35994
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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<210> 35995
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35995

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<210> 35996
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35996

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caaaccatag tagaattctg agtctacact ggaagagagg gtctgggcac ttcattgttc 180
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tttttggttt ggacctttcc cttatgtctc ctaaggatcc ttttaacctt catagcaagg 300
ccaaaagttt ccaaagcctt gtctttatta gcaatagcct tggccagttt cttctgcctc 360
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ttcattacct tcanggttta caacactg 448

<210> 35997
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35997

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ctaacggacg tcaatatggc caccgttgaa gccttggaat gaaaaaccaa caaggcccga 120

ttggaaaaac actaccacta caacttttga ggggcctcta tatggcacca ataatgagct 180
cccactcttg aaaggtgaaa ggaatcatct ctgtttanat gcatgaaccg gatggacgag 240
ctatacgctt gccttatgtc tgaaagatat ctgtcccatc tgtctctgtg agactcgatg 300
gaatatgttg gccctcatcg atgagcgcat aaataagcta caattagtgg cgactcacia 360
gcaacagctc caagattagt acgccaacat tctatcatac atggaaccaa tggagatggc 420
attgatatat tgtcg 435

<210> 35998
<211> 243
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35998

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taanaagtta tgcgcgttat aatttgctca gagcttcggg attgcatttc gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt tttgtcgtta gaacttgctc 180
agagcttcca taatcaatat ccagccgttc catatattac tggactcaat cctacaaccg 240
tgt 243

<210> 35999
<211> 568
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35999

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gcgtagnagg cggtagatcta tatgtagacc tagcatgcat tgctagcttg cgttcttgtt 120
ttacttacct cgtgaagat acgaacattc gacgagaggt cgtgatgagt gaactgtcta 180
cacactcggc ttgacaacct ttgtgaagat tggcgctcact gaacactgtt acgaggaacc 240
gtatctgaaa gcgcctccag gttagatttt cttgacggaa acgattattc cgcgctcatt 300
cagtggagag aagcgtgcct agagggctgg accccttcct tcttgcatc ctccactatg 360
tatagcgaat taagggaggt ggttgctcct cagactgccg cagcgagcaa ggatgcttac 420

<223> unsure at all n locations
 <400> 36002

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 atgcgtgttc cacgaaagga atacgcgcgg agtcgccacc aacgtttatt tgatgaaaac 120
 gtcggagaaa ccggaaga cgcgatctac gaacttttaa gtgaaagggt cgggagttgt 180
 atttacgcac ggtgaaggta ttagcaccac acacgttcgt gccaatggac ggctgcctnt 240
 aatcgaatgt gcaaacaatga ctttgatttt tatgttccct gttatgtcct tatatccttt 300
 atatacttat tatatctttt tctttttgtg gtcgacaagg gtgtatccct ttgtcctgc 360
 tgattcctca a 371

<210> 36003
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 36003
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 aagcgggttg cagcaccggc tctgcttccc taaccgtact ggaagcggat gtcgaggctt 120
 cgtcctctat ggtattctgg agtgtaaca tgacctccga gatggaagcc atttgatctt 180
 ataacgtga tagatcggac ttgatctgtt cctgcacact ctctctatta tgcattcctc 240
 tggatcgagt gttataggg 259

<210> 36004
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 36004
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 cacgttgcca cacatccgca cttggtggac aaggcgtaca acaatcctct atcagtaccc 180
 tgctctgcta gacacgcatt gctgtgctcc ttctccatct cacattttct catatactcg 240
 aggacgggaa taaccgtgca ttcaccttac cctcttttgg gagctgcacc gttggctata 300

ttcgggtggga ctctctgcct aaacactatt tcctctgatc cctcta

346

<210> 36005

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36005

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tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120

atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggggtttt 180

tgtttcattg gataacttgt tttgttggct atacttcatg atgtattttg ggccatactt 240

gatgtacatt gtatatgttg taaatgttgg acatgctgaa tgaaatgttg tttctcaaag 300

gatatagagt aaaaaaaaaac gaaaaagaca aaaatagcaa taaagtcgag tgaataagat 360

cttaaattggc aaaagaatga tgagactctt gggttctactc tttatgttan aatttatctc 420

tacttctttt att 433

<210> 36006

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36006

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ttgtaaacag attcgcagtt ggtgggttaag gcgttcaaca atcctctatt agtaccctgg 180

tctgttagaa atgaatggct taacacctta tccatttcac attttctcat atactccagg 240

aggggaatag ctgtgcattt atcttatcct cttttgggat tgcaaatgtt gggttttattt 300

gggtgggagtc tctccctagt ttttttttta taggatcctt ctagagccgc caaaatggct 360

ctaggcccaa cccacttggc cctccataat ggtcctagca cgccttagct ccctaatan 420

gngcactata caatcccact 440

<210> 36007

<211> 166
<212> DNA
<213> Glycine max

<400> 36007

ctgcgtttag tgatgaccac atagaggtac ctcaagatat gacatcgggg tcatgagacc 60
ttggggacat cacgtggtgt gctatagccc ataaccaagc gtgacctatc ccgaccacc 120
ccgggcataa tcagtcaacg agaacctgtg atgtacctaa gcatgc 166

<210> 36008
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36008

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gtcacgtcca caccaccggc gcctggagtc ataggcggcc ctctgagat tctangaggg 120
taagggtgctg aacttgatga tatagattat gttagaaaag atattttaat tattttttat 180
ntttttgatg ataaaaaaat tatttaatta ttgactaaa taattttttt tgatagattt 240
taatatttct taaaacatta cttannataa catttttcat cattttgatt cacacatcac 300
atgctactaa ctaatagtgc tgcatactgt ttaggacatt ctatcttttc 350

<210> 36009
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36009

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ccacaactct aataaatggg agagaaatgt tcctctagac catacaagtc cctaataatta 120
tcagatccta caatttgagc tcctatggag caaaacaatg tgtgtctcct agagagggca 180
tcagctacca catttgtttt tccctttttg tatttgataa catatggaaa ttgctctatg 240
tactctaccc attntgcatg cctcttgttt aacttgcttt gccctctaata gtacttaagt 300
gattgatgat cactatgaat gacaaattcc ttggaaacaa ggtaatgttc ccaagtttgg 360

agggctctta ttaaggcata aagctc

386

<210> 36010

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36010

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taactatcac aaagcataaa ccaagtaaaa ctacccatca tatctcccaa agccccatac 120
ccacgaaaat ttatgtgaga agaagtctac ccaaactga gatttcgagg tcccacacgt 180
agagatgcac ttcacgactc cgaaaatgcc ttccttttgc gatttgaggc agaaatggtg 240
accaaagggt ggagctttta tggaggcttc aatggagagg aagaagaaag aaaaagcaac 300
gtgagggaga gggagaaagc ttctganatc ttctggtgag tgaggagaga gagaaaacag 360
ctctttgggt taaagaggct tttctctttt ctattatttt at 402

<210> 36011

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36011

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aagtccatgc aaaaacatct gaattcattt ggtttttggg aaagtccttc attgttttca 120
aaaattcttt tgctgtgttc tgataaaaaa ataagtttaa aaaaaaata tactagtgtt 180
ttgattcttt caaagtatgt tatgttcaag aaaaaatttt ctttttaact cccagaaaga 240
gttataatct ataactatac taacaaaata tcaaagcaca cacaaattag tcaaaataaa 300
ctcgcgtaag taaataaggt aataaagtac tgaatnttaa tacaaagcga taaataaaca 360
taaagataag ttcacgagtt tgtgaagatc atggctgagg cactcagtct cccccaatga 420
aacaaca 428

<210> 36012

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36012

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gtgtgatgtg tatcagtcta tatgtacatg tacaatttct ctcaatgtca aaccaaattt 120
cgtaagctaa atgtgtactc aatttttaag catatgctac aaaaatcaat actcatcaca 180
acatatcccc tcaactgccct ttaccaaaat aaaaacgtgt actcaatttt taagcccatg 240
ctgcagaaat caatgctcat cacaatatat tccctcactt cccttttcaa gataggcaca 300
tcaaaacaca tgatttatgt aatggagaat ggagatacta tagctgaatt cttatgacgt 360
ataaatcgat ttaaggtagc aatttccatt tttctttcct gaagagttga gttcagtctc 420
agcatctata tata 434

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<210> 36013

<211> 367

<212> DNA

<213> Glycine max

<400> 36013

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caaaaagctc aagagaatga tttcaagatt gagtcacgaa caattcccat gagaatgatt 120
tcaagattga gtcaagaaca attcaagaat caagagagat ttgatttcaa gaatcaagaa 180
tcaagaataa tcaagatcaa gattcaagac tcaagattca agaatcaaga gaagactcaa 240
tcaagataag tattaataaag tttttcaaaa cattgagtag cacatgaagt tttcacaaaa 300
tcttttacca aagagttttt actctctggt aatcgattac tagtttactg taatcgatta 360
ccaatga 367

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<210> 36014

<211> 328

<212> DNA

<213> Glycine max

<400> 36014

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aggcgattgt ctcttctgcg ctaagcacia gattgacgct aagccaaata ttacttacct 120

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gtgctaagca cgagaatggg gctaagcgcg ccttcaaggt cagaaagccc tttgtaagcc 180
 tgatttgcac agaaaaaaag acagaggggtg acaacgtgaa aaaggtcaga attgactacc 240
 aattatgtgc agagaacaga ggaatagttg agcaatgaag caaaggcctt aacttttagg 300
 tagattctag gttttaaaga tattttct 328

<210> 36015
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 36015

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 taatactgga ggctatatat gcatttactt atatgcctat gagattagat cgatagatga 180
 catggattat gttcaacgat tt 202

<210> 36016
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 36016

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 gttccaagta ctttggattt ggtccgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgct acacgcataa tgtaaacctt tacgggtttta 180
 aaagctctat attggggcct acgctttaga gacttctttt cgataaggct ttgcgtgctt 240
 cgttttgaat tgataataca aggatctttc ttcattctgt cctagtctct acccattctc 300
 attcatttgc atgtgtactt ctttttg 327

<210> 36017
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36017

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cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcaactgcctt 240
gggagagagg atgacagatg aaaagctggg gagaaagatc ctgagatcct tgccaaagag 300
gtttgacatg atagtcaatg caatagagga ggccaagac atctgcaaca tgagagtaga 360
agaactcatt ggntcccttc anacctttga gctangactc tcggataggg ctgaaaagaa 420
gagcaagaat ctggcgttcg tg 442

<210> 36018
<211> 416
<212> DNA
<213> Glycine max

<400> 36018
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ttttgttgtc tatgatattg catacacctc cttcagagtg aagtgtgtag cctctctcca 120
tcatttgccc aatgcttaga agattgtctt ttaggctggg aactagtaag acatcatgga 180
tgagtgcgct acctttatct gtctccacca tgatagtgc tttgcctttt gattcaacca 240
cacttgtatt tcccagttga actatgactt tgacagactc atcaatactt ttaaaaatag 300
tcttatcctt ggccatgtga ttgctacatc cactatccaa gtaccagttt cctccctttt 360
cttttatcga gtcttgagtg gcgtagaacg tacattgttc ttgatcatgc tctctt 416

<210> 36019
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36019

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atggaagcca aagacttgtg gcgctgacta gctcttccaa taggcgtggg actaattata 120
catatcactc aagttcccaa caaagaggct gtagactgca acctttactc gggatgggtgc 180
accacaaaga accgcttcta ctcttcaaca catcctagta accctgatta gacaccgtca 240

tcattgtaca catatcatca caaccaacac catgatgaat ctgatatatc tgaacaccct 300
cttgac 306

<210> 36020
<211> 410
<212> DNA
<213> Glycine max
<400> 36020

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ttctgatacc aatgccagat gtggtacagg atgtcacgac atcacgcttc agaacatgca 180
gattatctct gagtgtatga acagattaaa catgtctata acacacgata attgctaacc 240
cagttcgggtg caacctcacc tacatctggg ggctaccaag ccagggagga aatccactaa 300
aatagtgtta gttcaaggtc taacagccac tatttacaac cttctcacct aaccactacc 360
cgtgcgacct ctacctatga gccactctta tatatgagaa cccctctcac 410

<210> 36021
<211> 428
<212> DNA
<213> Glycine max
<400> 36021

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acagactcctt acaacagggtg tagatttctg attcatggca agttgagtta ctatgttgac 120
caagccatca agttttcctt caagcttttt attttcagta gatgaagatg aatccatggc 180
cacctcatgg actcctctaa gaacaataac atcatttctt aactgaatt gttgggagtt 240
ggaagccatc ttctcaatca aattcctagc ttcagcaggg gtcatatcac caagagctcc 300
accactggca gcatcaatca tactcctctc catggttgcta agaccctcat agaaatattg 360
aagaaggagt tgctcagaaa tctggtgggtg aggacagcat gcacacaatt tctttgatct 420
ttcccagt 428

<210> 36022
<211> 375

<212> DNA
 <213> Glycine max
 <400> 36022

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 gacgagtgtt tgtttcacct cggggagtca cacgacatgg aaacctgtcc cgcagtagaa 120
 gaattgcttc aacggctcat ggactggggg cagcttgaag tgtccaaagg aggggaaggag 180
 gaaccacata tttgcatgta gtgggaagaa aggaagggtc ccttaacccc ccaaggccct 240
 agtaatatgt ttactagga aagggaacgg ctccacaccc atataacccc ggacagcgcc 300
 cgagccaacg ccatttgc atcaaagtaa taacgccgtt ccgtggaagt ataccctcc 360
 cgcgttcaac gaaag 375

<210> 36023
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36023

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 tggaggccaa aaacttgtgg cgcttccttg ttctttcaat cgggtgtgga ctagttttac 120
 ttgtcactcg gcttcccaac aaggaggctc tagactgcaa cctttactct ggatggtgca 180
 cctcaaagaa ccgcttctac tcttcagcac atcctaataa cccgattaag aaaccatcat 240
 cattttccac atatcatcac aaccaacacc atgatgaatc tgagattcct gaacaccctc 300
 ttgaccctct aaccatccaa gaggccaaca aggtccgcac catcctatcc aaccaccccc 360
 tcttcaagtc ctcatccacc tacactctca actcagttgt ccttgaagag ccagacaaaa 420
 agctagtcct c 431

<210> 36024
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 36024

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cattctctat ttttctctcc tctgtaactg aatcctaacc aactcaacac cattctttct 180
caaaatcggt attgcatcct ttagggctct ttgataaatg tgtttggatc tatgttcttt 240
ggtaagtccc attctttgca ttgaaagggt tcctattgac cttaatgggg ggtctctagt 300
gacttatatg gatttatatga tcattctttt actattagat gatctcaact aggcttctct 360
ttatcgattg act 373

<210> 36025
<211> 335
<212> DNA
<213> Glycine max

<400> 36025

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tgcataaaaat acatttgtgt catgcgccga ataagcatct cttcatgcat ccattccatg 180
atagatgttg aagtattgat tcaaaccgga tttttcattc tactaaacat gggatcaaat 240
caaacacctc ttctcaagat aagggttctat caagtcaaaa tcaagagctt agaggtcact 300
agtttacgag agtggggggca attaatgggt caact 335

<210> 36026
<211> 396
<212> DNA
<213> Glycine max

<400> 36026

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gttacttggg ttgcttaatg tgcaatacat acaaaacttt cacacatatt tctaatttaa 180
ataaatccaa taaattttcc aaactaatta tttgtagatc cgtttttagtt attttaaatt 240
agtataaaaa tatataatgt tgcaacgagt tgcaaacaca aatattatga ctatagacca 300
aatagaagc taacaaaac aataactaat ttattttatt tgctaacaaa ttatattgag 360
aatagagga tgtcaagcta atctttaact ctacta 396

<210> 36027
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36027

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 tagaaaaaca agtaattgta acaccgcaaa attaatcaca agttaaataag gggacacttt 120
 caagtttata atggcatgca aatgtttatct agggatgaga tacttcagat gatatgccat 180
 tttgaaggag catgctagca tataaacact acaacattga agcattatca caagataaaa 240
 cccagcaatt atcagaagaa ttccaactgg tcatgactca tgagaactga atgttgtcat 300
 gtaaaccatc acagttaagt tcattgcaga agatcggaca tgagaatnta ttattaattg 360
 tntttcgact tagtatctct aataccattt gtaanaagga aataaatttg tgaggggaaa 420
 aaagagacat gcttg 435

<210> 36028
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36028

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 atctattaac accattttaa tcccttggac ccaatgacag accataattt atttcatgca 120
 gactagaaag acatcatgca actaaaaaaaa taatagatac aaattacttc tttcatattg 180
 atgcatagga agattttctta aatacaatgt atatagccat atcttcattt acaattacaa 240
 acaatgctac agaatatgga caacataaaa ctaagttcct gaccaaaggg cctaagcaaa 300
 tggcaataat aaacttatca atatcatatt caaactgccg gtgctatttc ctattgcat 360
 tatgactcac atatacaaca tactgtacag atgacatgat agaaccaccc aaaataatgg 420
 caagcacatg ctat 434

<210> 36029
 <211> 455
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36029

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ccagaatatg tgcttatgat atttttgtga ttatccaggc caacaatggt gacatgtaca 180
taaaggggca tgaccattgc ctccaacata taagcagcac agataggtaa cgaataaaca 240
aaaatacatt ctcccaatca aactatatat gtggttntat aaagtaattt cttctttatt 300
ataccaatat caaaatgcag cccacttcta tatttaacga gtggagcagg atcaaaggca 360
tggagaggtg atgttaaaga aaccactttt gatgtgaaat tcttttatga tggccaagggt 420
ttcatgtctg ttcaaagac tgaccatgac acaaa 455

<210> 36030

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36030

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acatatagtg tgctttcttt taaaagaaaa aatagatcca gatattctaat cccaattgat 120
attttaatcc ggtcaagaat attaactaaa tgatgaaatt aaagttctct cggaattttt 180
actacacct gtaattttta cttatccacc ggatttactt atgtggaatt ttaattatat 240
gcacgaataa ttctattcgc tataataatg atattcaact ctaatagaac tactgtttgt 300
aaataatata tgtgatttac aacaatataa acttctaaga ccttatttat agacatgtga 360
gtacatatta ctattact 378

<210> 36031

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36031

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cacagacgcg cttagcgggc tcatcactta cattcatcag catggatgaa cgcacttagc 120
 gcgacatggg cgccttagcc cgttcactta gaaatccaaa catctaacag ttgtgatgaa 180
 cacgctaagc gcaacatgcg cgccttagcgc gttcatcacg atttgtaaac agatccacag 240
 ggggtcttcac ccctttcagc cacattgccc ctaatgggct tctaagttac ctagaatcct 300
 acattgacta atgctataac taatagcctt aacctatcaa catacaactc acaaaacatg 360
 aagtcactta tc 372

<210> 36032
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 36032

agcttatctg ttttgtcctt cctcagtgtc ctgaatcgat catacaacaa cttatcaggc 60
 agaattctca cgagcaccca acttcagagc tttgaagaac ttagctacac tggaaatcct 120
 gagctttgtg gtcctcctgt aacaaaaaat tgcacagaca aggaagagtt gacagagagt 180
 gcttctgttg gacacgggtga tggtaatttc tttggaacat cagagtttga tatcggtatg 240
 ggagttggat ttgcagcagg attttggggg ttttgtagtg ttgttttctt caacagaact 300
 tggaggcgtg cttattttca ttatcttgac cacttgagag atctgattta tgtgataat 359

<210> 36033
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36033

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 gttttgactt tcttatgttg tggtcattga attatgaaca tggttcaatt tgatttttcg 120
 ataggggaatt tgagttgtgc aatctggaaa ccatattatt ttaaaaaaaaa atgttaaaat 180
 taggtttaat tattcatttg gtcattatag ttgcaataac tcttcatttt agttcctata 240
 gtttaaaaca tctcatataa ttgtcatctt tttctctttt catcttcatt gtctaaagtc 300
 acctaacgtt gtttgagatg aacattacaa gacttatcat tgtcaaagtg tcaccttggg 360

gctcagaaat ctaccctgag gatcatgaga accctagggc catctttagt agctctagcc 360
caatcctctt ggatccttct atccaatacc cttg 394

<210> 36041
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36041

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taggaagnnc aaaagccccg ctttttgtca taccacccc aagagatctg ttaatggtcc 120
aacgcgcccta acgtttctct cttttcaaaa aacaagagat cgttaatggt ccaacgcctt 180
aacgtttctc tcctttcaaa atcaaaagat cgtttaatgg tocaaacacct tanatgatct 240
tttgttcagt caaaatatat cttgcaaaca aagatatata caacttcaac cagccttagt 300
tctcaaagaa ctacataggt ttgatt 326

<210> 36042
<211> 261
<212> DNA
<213> Glycine max

<400> 36042

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acgggatgag actctccaac acgccattac ggaattgacc catgcatgac gtgagcctaa 120
cctggcaagt gtgtaaaact gacaaagctc aaaaatcgct tattgaactg gctattcgcg 180
gcataccggc attctcagaa ggtgccagat gcaacttgca attacgtttt acaacctcgc 240
accggataga cgcgatccac c 261

<210> 36043
<211> 235
<212> DNA
<213> Glycine max

<400> 36043

ggggaagggtg ctgactgac aaagcgggtg tggacacacg aggttttttg cccccacctt 60

ggagaaccaa gccaatcaga atgctagacg atttatagat gtgaatatag gtaacaatgg 60
 cggtaatgac ggaccgagggc agaaccgggt tgagggagta aagctcaatg ttctctccctt 120
 caaaggtaga agtgatccag atgcctacct ggactgggaa atgaagactg agcacatatt 180
 ttcttgcaat gactacactg atgcgcagaa agtcaagcta gcagcagctg aattctccga 240
 ctatgccctt gtttggtggc ataaatacca aagagaaatg ttgagagagg aacggcgaga 300
 ggtagatata tggactgaga tgaaaagggg gatgagaaaa aggtatgtgc ccactatcta 360
 taacagaacc atgcgacag 379

<210> 36047
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36047

tatttgattt atgtcgtaag ttaggggggtg ttttgtaaag gatttgtttt tactttntcc 60
 gaattaaagt gataaattat tattattatt attattatta ttattattat tattattaaa 120
 aaattatcag acaattataa tttttgagaa ttaatttttag ttcatTTTTCC taaaaaaata 180
 tttttaaaga aggaaacaaa aatctaacat ttttggtggg aggaaaagtt ctagttatgt 240
 attctacatg aatattttaat tatcatgaaa catattaaga ttagtcaaag gtattttata 300
 catttctaaa aatcatatgg accttatcat aaatcatggt tcctatgtat gaaaaaacac 360
 atcccatatt aaatgtccca ttataggana ggagatanna aaaaagtggg tcatagatca 420
 catatg 426

<210> 36048
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36048

gcgcaaacac tgaagagacc ggcgggtagc aaactttcat caanaaaaa atcatgacct 60
 ttogagcatg atatacaatc catgttggag gaatcatctc aatctgagat agacatagtn 120
 ctccactaca acatcagcct gtccctactt tccaaaatgc tactggtcca agcaagccat 180

atgttccttc tcaaagcaa caactacatg tgcattcaca acaaagacaa ctagca 236

<210> 36049
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36049

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 acgattatcg tctccctttc cattattggg ggtaccacct gngccgccag atccctccac 120
 cttttgggcg tgttctttga atgatccgtc cccctttttg cacatgttct gtagttgcat 180
 cctatccgga accatatcaa aattgtactg atactgccta acaaaggcaa ccattatggt 240
 cttccaagaa tggactcggg aagggttcaa gttagtgtac catgtaacag ctaccccagt 300
 aagactttct tggaaggaat gtatcagcaa ttcctcatct tttgcgtatt ccccatctt 360
 ctgacaatac atcttttagat gggtcttgag acaagtaatc cccttgta 408

<210> 36050
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36050

gggaatccat tggtggggta cattgatcat atagatTTTT tttaatagcn aagtaattaa 60
 ataactgnga aattgtatca attattcttg ttgaagcaca cctcttataa tattagtgtg 120
 tgagccctgt aacctgtgaa ttgttgcata cacataacga gatttgtgca ttggtcacca 180
 tttttttaat tcttgcattg taagcctaca cgggtctttg aagcagttta aaattctcat 240
 gcttttcatc atctgttttag aaaataatct gaatgatgag taagatacat tgtttgaagt 300
 gtcttactag cctacaaaga gagaaaaaat agtgaatttt gtttgcattg agtattttat 360
 ttcttattag agacaaataa atatatacac acacacagac agagaaagat gtata 415

<210> 36051
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36051

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agcctttttt aagcttgatt tgcatagaat tgaaggggca gccaagagaa ctattcacta 120
ctcagaggct tgaagagtgt gaatttcaga tagcgtagag tagagcaagg ggccaagttt 180
tcctctttta gggagattag tgagttttta agtgattgtg agattcctag aggtggaggg 240
tacatcccca ctcttttgta agcaagcaat ttctcttgat tcctcttctt cagtgtaaaa 300
ggagcttcct tgccatgaaa ggctaanacc ctgagttggg gattcttatt gagtagtnga 360
tgtaaactct ttttcatatc taattaaggt tattntatgt ggtcactact tctatctatg 420
cttattgtat gcatactt 438

<210> 36052
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36052

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gatgttaagc catgtttctca gtatgaaaat taatagttga atgctcaaaa tcagaatatt 120
cagaatcacc agcaatagaa tactcacaat gtcaaaatg ctcaaatgc tcaaaatgca 180
cagaatgac aggatgcaca ctatgcctaa ctaatctatg aaaggttcta tctatttcan 240
gatcaaaggg ttgtaaatca cttggattgc ccctagtcac gcactatatg cagcaaataa 300
tgtgttctca aacaagcact atgggagggg taaaactaca actatagtca aatgatatcc 360
aatgaactg aaattttgtg agcaacaccc tcaaatca 398

<210> 36053
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36053

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catataataa attatatata tagaagaaca aatcatactt caaaaacaac ctgcaatcaa 120
 acaaaaccta caagaatccc ttcaaattggc actcaagtac caactatcaa cacaacacat 180
 taatgtttctc agtccttagc tgttgagaaa tatgctcact gatttgactt tacctgatta 240
 caactcaggc ctaatatattc atgattaataa at 272

<210> 36054
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36054

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 cggcaacggt tgtgtttttt tgcaacaaag gagcttgagg gtttcccccc_aacaagggga 120
 taaaaactta cttgagaagt caatatcgat ctcaaccgca gggaaaaggg gaggaacctc 180
 cattggaaaa tgagttcaaa atgggcatgc aagacggggg tctaccatcc tttgccccca 240
 aaacacagcg tagttcttaa aaaacacttg cagaccaaaa cccgcctggg cacgggaagc 300
 ccttatacct ctaaacatat aggctgtgga taatcctgtt atggaaactc aacagcgg 358

<210> 36055
 <211> 316
 <212> DNA
 <213> Glycine max
 <400> 36055

tatgtcgtgt gggtcaggag accttgtgga cgtcagggtgg tgtgctattt cccaaaacca 60
 atcttgacca atcccgaccc aaccaggca tagtcggtca gtgagaacct gtgatgtacc 120
 taaacatgcg agtcctggc agtcaacaga ttaaaggaac atagaccaca aagcattgat 180
 gcttgtgtgt gggctggcca actgtgaatc ttgtgtgata tatgggttat ggctctggt 240
 aatcgattac caagggtggg ttatcgatta caatgcttaa caatgaagac aagaggctta 300
 aatggtctct ggttat 316

<210> 36056
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36061

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 tactttggat ttggtacgac catgccctcc tgatttccag ctgggaaatt ggcgagtgga 120
 ggaacgcccc ggcatttacg caacgagcat aatgtaaacc tttacggttt taaaagctct 180
 atagttgggc ctaggcttta gagttntttt ccttctgtta atgctatgtg tcttctgggt 240
 ttgaatttat aatacaagga tctttcttca tctgttctg gtctctaccc attctcattc 300
 atttgcatgt ttacttcttt ttctgaaacg gcagatccga tgacgagtcc cccgaaggta 360
 ctaatacctg ngacccgcct atcgacttcg agcgagaaat gaatcaaacg gaagatgaat 420
 gagatgagga t 431

<210> 36062
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 36062

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 ctctggattc aggccataca caaagccctt gacaatctcc attgataggc aactaaatac 120
 atgcaactgg aggagctcac caagtacaac cggcagttga ggaatgaagc atccgactca 180
 aagaaggagt tagaaaggga tgcccaataa ggaaaaagaa catgcacgca agactagagg 240
 acctttctac aactattaca ctccccttaa tgatagccaa tcaaggatct tggaacaagc 300
 ccttgctact gaatttttca tgatgccaaa gcaggctaac cccccctaag agccaaccac 360
 tcaaagcatt ttgatacca tacgaattgt ggtcattcct cagaagaatg cataacacat 420
 aaatacaaga ttaatgatct a 441

<210> 36063
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36063

tataagaaca aaattgccta aatcatgctt ctaatatgca tctgatttan gaagcatcaa 60

atgttctact ccaaaaaaac

440

<210> 36068
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36068

ggggagtnnn nannagaact gaggcttgaa ngctnngcan nacgagacac nanacangaa 60
tggatcggn cgctgcaacg agagagggca nacaagacat cgatatctct gtcttgnna 120
gnnaaaagga gnaaagaggg gagaggaatg angacnaatc tacacagccg gctagggaaa 180
gacaatgact gacggatata agttcaagca atagaattga ctgctactcc tgtttctcaa 240
tataaaagat agagagcttc actccttgac gatgtgatga ctaatcactc tctaacttca 300
gaaggaaagt agaagtggcc cctagatatt atgaaaagaa aacacaagca agggatcaat 360
taacaactaa gccaaacagt acaggatggc tacatacgcc gcccaaata tttttagctc 420
tgaaacagaa tcatggcatg ttntgaacat tatgaactac acatanaaga aacagcacia 480
atcggttgct gccatggacc gggaaaaaag 510

<210> 36069
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36069

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aagtgcagat atatatagca acctattatc tgcattctaa accataaaat tttaatgagc 120
attgcattat caagagtcaa atgctgaatt tcaagggcaa actaggtgaa tacctgaccc 180
ccacactata aaccttgcat taattctgac taacagataa tctaaatgac cacaaatatg 240
gcattgtaag gacaaagtat agtcacacca ataacagacc atcgatcttt caccaaaatc 300
tatgtgttca agcattctag atatccacca gttaaagttaa aatgaacaa ctatgagttt 360
gacgtgaaac tgattcgcca ttggaggttt atttca 396

<210> 36070

<211> 447
 <212> DNA
 <213> Glycine max
 <400> 36070

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 tttgtgggtc atcctttcat catctgact gatcaccaaa gcttgaagga cttaatgacc 120
 caagtcattc aaacaccgga acaacaagtc tatctttcaa agctactcgg gtatgattat 180
 accattcaat ataaatcagg gtcttccaat atgggtgcaa atgctttatt aaggataccg 240
 gcaacaccga ccttgtaact attactctcc atccccaatt ctctttttat ggaacaattt 300
 cgtcaagcat gtcaggcgaa ttctcatat caggaacttt tccaccagat acatctgcac 360
 cccgaagctc accccagett cactattaa taggacctcc ttttcttcaa tgataagatt 420
 tggcttcctt ccagccatga tttcact 447

<210> 36071
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36071

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 cgaatgcctt gttgggaagg ttgaagtcac ctgaaggaat gaagaggctg tggaacataa 120
 tcaagcatgg gtgatgtgtg ggcgcgacta ggtttgaata aaaacctata ggcactgagg 180
 ttcaaaaaga agctagagga aaggtttcag cgcgaaaggg caagatctac ttcattccaat 240
 agctgctaac actaggggta gaagctacaa ccaatgttt 279

<210> 36072
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36072

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 anangnctaa gggcgctttt ggcgccttgt cctgtttttt gtccttgctc tatcaaatec 120

ccttatctag attctcctct aaattctgag cgttttgata tatagtgggc ctcaaagtga 180
 caaccataac aaaagttatg agcatttgaa gtttacttgc cctatctatt gacatatctg 240
 ttatcctatc taatatctta tctggtatcc tatctaatat cttatttgat ttccgatcta 300
 ttatcctatc tattatccta tctaatatct tatttgatat catatctggg acccaaatta 360
 gagctatctg ctatccagat ccaatcta atattattat ccaaatac 407

<210> 36073
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36073

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 catgaattgt tcttgatctt tgagctttnt gtaatcacct ttgttgatcat caaaacttct 120
 ttgaatcaat cttgattcat catgaagctt tcttctacaa tttcctcatc acaattgagg 180
 aatacgtatg agcaagggaa acacccttgt cgaccacaaa aagataaaaa aaacacacaa 240
 agacataaaa aaaaagggaa acaaattgaa gtcataatttg cacacttgat taaagactgt 300
 cgtccttctg gacggacgag tgggggtgcta atacccttcc tattcgtaaa ta 352

<210> 36074
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 36074

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 gatggcgctt cctctcacct cttctccttt atcttccgtt gcatctccat ggtggaaaat 120
 caccattgaa ggacctcatt gaagcttaaa aatccagcct ccatagaagc ctcataagca 180
 agcttccatc atgtgctcct taaacctcta ttaacttcca ttgttggttc ctcatTTTTT 240
 tcttggttct ttgtctaact catttggtca caagtgtatg aaattctttt agcctattaa 300
 ttgatttgag acaaactctg catgttaatt agtccttaac atgtccatgc aaaattctta 360
 gagagtcttt gattgtgaac cttttcttga acttttaggt ttccttatga ttgtgtctat 420
 ggtgaatttg agttttgggtc a 441

<210> 36075
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36075

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 ctagagcatg gcagcttgca ctctctgtct gatcaaaatc gcacagagca tatctgggtc 120
 tagtacgttg ccacacctga ggacacagac ttcttgaaca ctttgcacca agagcactct 180
 ctggtatgag cctcgatgta taaactactc acaccaccc cgtccgaaac tgatttcacc 240
 ttgagccctg acctattatg ttgaggatcc ccgatcttaa gggaagtcc acacagacat 300
 tactgcgatc atacctgacg atgtgggtcac gcggcattgt tctctcatg aacagacacc 360
 gggttctaaca ttacacagcg acgagctcga cagccttcta taaaggatgg 410

<210> 36076
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36076

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 nngagggggg agcgggaggt tganacctag cttctgaaac aanaaaggga cacgggaggc 120
 gcacgagaga ccaccacaca acccacccca ccccgagggc ggggacaagc caccacagaa 180
 cgcagaaggg gcgcgcaaaa gccgcccgc gnacagcccc atgagccacc ncccgagcag 240
 ggccgcccga accgacaaca acacccattg gagggaccgc aaccataccc gccgcgaagc 300
 acaaccgccc ggtcaccggg agcgagagac caccgcccac acagggaccg accaaacacc 360
 ggcggttgag acagcagaca cacggcaccg gacacctaag acggcacgga ccgccacgca 420
 cgcaagacac cgcgtgcccc accagcaacc gacgaggaac gacgcgcgcg cacg 474

<210> 36077
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36077

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ctggatatctg aggatcactt gaaattagtg aaaaaaatc gtttccgtga agaaaatcca 120
agccgaggcg cttccgtaac gcgtctgana cgtttccgtg ggtgattccg tgaagattnt 180
ccgccatcta tcgttcgttc ttcategttc ttcgtcgtcc tgcgggtcttc aaccgataag 240
ttcccgaat cgaacttttc aattcattct atgtaccctt ggtgggtccc acttgtttcg 300
cgtactttta ttttcatttc atttactttc tgtatcccct tttgacgtgc tttagtcatt 360
tatataagtc attttctcgc ctatatcaaa aataaaataa tattccaccg atcatataaa 420
ttggtacatt 430
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<210> 36078
 <211> 437
 <212> DNA
 <213> Glycine max

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<400> 36078
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acttcccatg atttcctttg gcatttatca ggctagttat gccgcgcttg tctttgecta 180
aaccatttcc gggttcgtaa ccgttcccca acataactcg ggccatcatt actgctgcat 240
cggacaggca agcttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag 300
actggaaagc ggtttctaata gactcctctg cggcctccac ataaggcata gaggatgggc 360
agctcaccaa gatgtcttct tcgcctgata cgatgaccag atgcccttcc actacgaatt 420
tcaacttttg gtggagt 437
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<210> 36079
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36079

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agatactcag cttgcaccag ctgcgccagc gagcttggtg cttctttcat angcaccgcc 60
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ttctggtaga acttctgga aggcccaagt gggctctggtt gctatttgca ccccccttgt 120
 ttactaaata caccctctgc ctttnttgtt gattcttttt ccgtaacgtt acggaacttt 180
 acgaatcacg taacgatact tgtttcattt ctgtaatgtc acgaaacctt acagattacg 240
 taatcatccc ttttttggct tccgaaatgt tacggaactt cacggagtgt gcaacaatgc 300
 ttgcttttga cttctgacat gtcacaactt cacggattgt gcaacaatgc tttcttttga 360
 cttccggcat gtcacggaac ttcac 385

<210> 36080
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 36080

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 aggaatcttc tggaggggccc aagtgggctt tgttgctatt tgcaccccc tttttactaa 120
 atgcaccccc ttctatatatt ttttttgtaa ttctttttcc ataacgttac aaaactttac 180
 gaatttcgta acaataactta ttttccttcc gcaagattac gaatccttac ggattatgta 240
 tttactcttt tttagctttc aaaggagtta cggaaactca cggattgcgc aaaaacacct 300
 cttttcgatt tccgccacat tacggaattt cacggatcgc gcaagcctgc ttcctttaga 360
 tttctgagac gtctcgggac ttcatttatt gtgcaac 397

<210> 36081
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36081

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 gatgacagtg tagcagagtc cgtgagatga cgttttatag agtgatcact gactttcgaa 120
 tgaactacca ctgaatgtat cactctacag atgaggatat gttagagcaa gagcctgctt 180
 tgatctctaa agggcaccac cgattgagtt gttgaaatat actatcatgc ccacatctat 240
 tataacgccg atgtactccg agacataggg gagatgtgct aacaacggac acgaacgttg 300

agataactcc ctgatgtgga gactttctcca agaacgcgcc acttgtgaat atctggcatt 360
 ataactttta taatccatgg cggagactcc atgctgactc ctctcttga gtacgcacgc 420
 gctaggcact cgtgtgtcac gca 443

<210> 36082
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36082

caccatcaca tgggggtaga ttggtgactc tttactgtct tttcctcctt ttttgagagc 60
 ctcaaacatt tctgcaccaa cgtcctccaa gaagaatttc ggcagaacgg accttccaac 120
 tctgaagctc gaagctttga tcccaaagaa gcatgccatg accattatct tcaagcccat 180
 ctcttttccc agcacacaaa caaaagggtg tagaagaacc aaaactatgg ctcttataag 240
 cccccctgcc tcaaaggcca cgagcatgaa atatgggaac aaagaagagg atttcaacaa 300
 cgcgttttcg acatcaaaga tcaacgtgtg atcgttgagg tctgatcggg ggattagaga 360
 ggggaatttc anggtattgt taaactgtgt tgttgcaccc gaaaaagaat ggctaattgg 420
 tctgtgg 427

<210> 36083
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36083

aaatgacatc caaatacgga aagttttaca ttttttttat tggtnctaa agagacaaga 60
 cgttcattggc cttgatatga tcatcagttc tggcagatga ctggatgaac caaatnttt 120
 taattagaaa taatagtcac caactcagca tttgctttga atgattaaga aatcatgcc 180
 catgtagtta ttatacccta agtgttgaca tcaatatcta cttttgactt accggctagg 240
 cattgcataa agccaattca cttaacctac acggattttg tt 282

<210> 36084
 <211> 419
 <212> DNA

<213> Glycine max

<400> 36084

taatgaccct caatctttca atgattatag atccatctcc cttattggtg tgtctataaa 60
atcgtggcta aagttctggc caagaggctg gcccttgtgt tacctcatct tatagatgaa 120
agacaaacgg attttatgaa ggggaggcac attcttcatg gtgttttgat tgccaatgag 180
gttatagctg aggctaaggc tagaaataaa ccttgcatgg tcttcaaaga ggattttgaa 240
aaggcgatg attcggtttc ttgtggtttt cttgactaca tgttgatgag gatgggcttt 300
tgtgaaagat ggaggaaatg gattaatggt ttctgtcca ctgcaaccat atccatttta 360
attaatggaa gtctgttttt ggagatgcca ctcaacataa tgttagaacc ttaaaatgt 419

<210> 36085

<211> 444

<212> DNA

<213> Glycine max

<400> 36085

ctcaagcttg aagcaacatg ctgcccagg cgagctgttt gctttctcct taagattcct 60
gatgggcgcc agataggccc agggctgaag aacactcccc aaattgatca gttcaccctt 120
attttgagtt ttttttggct tatttccttc caaaacattg cgaaacctta cagatcgcac 180
gacaattggc tttaagcagc tcaatgttac cggaaaaaat ctgcatgtcg acaaataatt 240
atacccgcat gaagttaggg tatgacagtt gtgtaacacc ctgatatata tctatatatt 300
attagtaatt atgtttgatg ttgattata tttgttgcgt tatttttata cataattatt 360
ttcaaggagg ttaatttagt taataaaggg gtgtgggtag ataaggatct agcttctcaa 420
agaagcctct tgagaaaact tctc 444

<210> 36086

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36086

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agagtctctc caattcttaa accctaactt tngtgtctt ggaagctaac cttcattgaa 120

tgttggtttg atgttcanaa tttcatagct actgcatang ctggaactgt atcatgtgtt 180
 gtttctcttg gtaatttaag gtaaaaaatg agttatttgg gtgccaaaac ttanggttaa 240
 ccttatattt cacctaaatc atagttntct agtaaaagtt atgaacaaaa caagttttaag 300
 gaatcacgaa aataaatcgg agttttctag taaaagctat gaacaaatca ngagttttta 360
 tggatgtatg gaccatnttt catanatatt tgac 394

<210> 36087
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36087

gatannncgg gactctccga acctttcttg caatcccnan gangatncgt ttgagttcta 60
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 cttaactata tctctgaaac ccactctgctt aattcaagtg tggatctgct aacgtaaagc 180
 caatcaacct atatagcact acttgctcag ttgatcacta acagaactct aatcaagtcc 240
 tccttgccagg gagggcaatga atgtggcacc cgcgacttaa agcg 284

<210> 36088
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36088

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 ntccacatcc acaaatcacg cataaagcca ccataccctg ttgcccacct ccaactgagc 120
 tcacgtactc ccacgtagcc catatcctcg tttctctcaa caccgggtcc ncatcaatcc 180
 tccaagctt cccaacatc caggtaattc aaaatccaaa tcatcacaaa ctaacaaacc 240
 aagcaaaata gggcataggc agaaaactct gcccaaaact cataccaaaa tcacagcttt 300
 ttctcactta tagaccccag taacatttcc tccgttccaa ttcgttaacc gttggatcaa 360
 ctcgaaacatt ttactggaag tctctagtagc ataagtctac attttg 406

<210> 36089
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36089

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 tataatagtg attcttacat gataaggtgt gataaatacc tctagaagtg aatcttgtgg 120
 ttgtcacttg acgatagtta ttagatatct tgtgataaat catatcttat actttgcaga 180
 tatacgagac tctcttcana ggaattaatt cagaatttag attcctagtg ttgttgcag 240
 gcgaaataat atattatttc tatttctaag ttttcccaca attactctct ttattttaaa 300
 tatatataga gaa 313

<210> 36090
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 36090

catctgcaaa gttggcatag gagcattact aacttcaata ccaaattatg aaattttttt 60
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 ttgcatttgg ttgttctaaa cattttgtat ggccatactt ttctgggaga ttctgtgtac 180
 ttcgttacgc atgtgttttt tattgtacat agcgcgatta ttctctgtac atatggatta 240
 agccttggca tgtttggggc atataattca ggacatcctt tctggatcca tataagaaac 300
 tata 304

<210> 36091
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36091

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 ggtaatagtg gaatcttaac aagagagaac cacatatgga tttanattct ctagagagta 120
 tatttgtgag agattaagaa ttcatagaga attcttcttt gtagttntgt attcttttct 180

ttctgttata aaggttgatg aaagaggatt gatgtgggtc tacactgggtg acatatggag 60
 attccataaa gatgggttgcc ttgagatcat tgatcggaag aaggacatag ttcaactcac 120
 acatggagaa tatgtgtcct tgggaacagt atcaatgtcg gcttgtggaa cgcacttcct 180
 ttaatatatta ataataatat tatttaatac aggttgaggc cgctgtttct tgcttcctct 240
 tgtagacaat atcattgtgc atgctgatcc tttcatagc tactgtgtgg cactccttgt 300
 atcttctcat tctgcttcgg agcattgtgc t 331

<210> 36095
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36095

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 naccactctg tggatcatcag tataagcagg aagtttcacc cttcaacact tctcatctc 120
 aagctttagt aattatgggg taccatcac atgtgggtact aggtggcggt cgggcgatgg 180
 tctcaacaag ttttcacat acactatgag cgcataaacc caccatgccc tgttgccac 240
 cttcaactga gctcacgtac tcgcacgtag cccatatact ctttactctc aacaccgggt 300
 gccattaat tctcccaagc ttctcaaca tccaagtcaa acaacattct cacagtccaa 360
 gc 362

<210> 36096
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36096

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 taatggatag ggtcttgaac ttatccttga ccaattgtgc tctttcaagt ttgccttca 120
 aggcttgac actatttgct ctctcgggg gtttcaacct ctttcaaact tgaaatcttt 180
 agcttcggga ggcaaagtat ctctagcatt ctagccatca gccacttgtg atagccgtcg 240
 acgatcccat tgacgatctc ccta 264

<210> 36097
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 36097

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acatgtggta cgatcgtgta attaatgaaa tcgctacaaa atgtaagtgt tgctatcaag   60
actttgcttc ataatgagcc gaacagagct aagctgcacc tggtagagaa ctttctgagt  120
aagggtttgaa tctaccttat aatagtttag ttcattctatt tggcagttgc acattaataa  180
ttaatggatt atataaagcc cataaagttg cacattgata attaacggat tatataaagc  240
ccataacttc tctgatagtt acctaagtac gtctctcttg tcaaaagtct gctctacctc  300
tagaaattat cttttactat catgggtattg atatggccac aaactacgac tatcatatct  360
aaa                                                                    363
  
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<210> 36098
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36098

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cggagtggga annagagggt gangcttgac tgcatatctc gtcannacgc gnaananang   60
atactnaagc cgagctntca ctgcgacana cccagcgctc ttacatactt ancttctatt  120
aaaaanaaan agagagcgtg acatggggat atgagcatnn cattgggtcct tgtttgtctc  180
atttcgcaact ttggctttat gcctcgtgtg atggcagaaa agaataacat gggacaaaat  240
tgttgatgtg gtgaccggtt gagaaagtaa cccgtggaat tgctgctttg gacaattttg  300
tctggttcgt gttaaacaag gaaaccatga atgaatgaat gaaattacac ttacatttgc  360
tagactttgt ctttgtggta cttttattac gtgtcaccac cccaacccat cacatttctc  420
caccaccatc tctccttggc gcttttttat atattacggg ggtccaaatt caatatcatt  480
gcccatatcat gcaaaccaaa tattaataag ttatattn                            518
  
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<210> 36099
 <211> 254
 <212> DNA

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 ttcaaggaca ctgccgaaac ttgcttacca tggaggacat cttgggtcag agagggcatt 360
 ctgggtgtgg atgaacaaaa ggacactctg gacttgtgta agatag 406

<210> 36102
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36102

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 tcaaggggtc ttnataatta tacnganaac acgcgtgata attcaaaaaa aaattggcag 120
 tgagaggtga aatgaggaaa accatccgtg atgcattcta tcttcaattt ccaccacca 180
 catgctttct cagccataca acttctctta ccacaccatt atcacaagge ctcctaata 240
 cccaagctgt taccgccttt catgcgacac acctttgcca acaaaccac ccgaaatgat 300
 ttgcgtgaaa aaacctgtaa atacctgcta gttcttacc attttcgaga tcatcaacca 360
 tgggcttttt ggaaccgggc ttcattg 386

<210> 36103
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36103

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 atctatacgc tnnagagac ttggatgctc ctaagcaatt atctctccac agagaaggag 120
 ctattagcga tagtttttgc tcttgagaca tttcgttcat atttacttgg tacttgtgtt 180
 attgtttata ttgaccatgc agctctgaag tacctgttga agaaggctga atcaaagcct 240
 atattgatca gatggatgct gtggctccaa gagtttgatt tggatatctg tgatcgaagt 300
 ggtgcacata acctcggtgc tgaccacctg agtaggattg agcatgcgtt tgaggactca 360
 cccattcggg atgttttttt gaatgaccat ttgtacattt tgtatattat ttctaattcc 420
 ttccccactc cttggtttgc taatattgtg aattacttgg gtggttctat tttgccttcc 480

ttaatatcta aagctcaa at gatt

504

<210> 36104
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36104

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 ggaatagaga gaggggagag gctccngtng ttacatnnga aagagaaaga ggggggagag 120
 gggcgacaaa gatccaccac tcaacacccg aaagaccccc ggaagaccgc acacagccgg 180
 ccacagggga caacacgagc agagcatgac aacaacaagc tctccaagac caaggggaaa 240
 cactgcgctt ggggcagaag cacagcaaga cacggcgtat gacctgaggg agggcgccaa 300
 acacagacag agagacagag aaacacgcgg cacctccaag gagacaaaac aacaccagag 360
 gacgctcata gcacggaaaa gacccctgca acagtatgag ccacaagcga cagccaccac 420
 aaggaggtgc aacgaccaca acaacaaaaa gaaggggacc cctagacaac gcagaataac 480
 attacttacc ccaaagatca gacgaagg 508

<210> 36105
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36105

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 gcctgatcgt tatgaattgt aatctcacat tagagtcttc tatctttgta gtataattat 120
 gactcatctt tttgacgcac aaattaaatn taaatatgta tctgacatag ttgccattaa 180
 tcgtatttta agtaagttat ctatctttgt acgtttcttt aatgtagtgg cacgatgacc 240
 aagttatcta tctttaatta gtgttactta gtttataatt aattattact taacgcacat 300
 aggccaaatc taattctata tattaatttt aggtcaagat caatcttatt ttaagtaact 360
 taactatctt tctatgtgtc taatgtgga 389

<210> 36106
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36106

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cggagcngga ctaaagccgc gacacgaagc agaaaggact tcgttnattc ttcaaagcag 120
cacacncacg ggagaatttg tggagccctg agtaaacgac tcttaaactg agccaaagat 180
tgatctctaa gcaccagggtg tgcttgtaca gagactgctg tatcattaat aggtgcacac 240
cgaagcaatt atggcgggta ccttcattg acagctctaa agggagacat accagtgcta 300
ctatggcaag caaagctata ccaataactca tcccagtgtc atagctcgac acattccttg 360
gggtttgcca aagcgaaccc tctgagactc atttcacgag tatgttgagt gcctccaatt 420
gaccatctgc gtgtgggtgg ccagctgttg actcgggcac agagtaccac ctatgttcgc 480
attagttgcg aaacgcaccg gaaacacctc g 511

<210> 36107
<211> 236
<212> DNA
<213> Glycine max

<400> 36107

aggtgacgtg cgtgcacata atgccgcaa caggagaagt gtggttttcca agccggaaga 60
tgaacacggg ccggaagcca aaacgcaaag gcaagacggc cagacaccgc gagcactacg 120
caaccgaccc gctaaggcag agggcctggg cccgccaagc acatacgccc agaagcaccg 180
gacccggacc cggaacccca gtccattgca gggcagaggg gggagaagca ggccac 236

<210> 36108
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36108

aggaagggcg ggtgcggcct ggacccttng atcgattgca tngtcacanc cnaagcnnng 60
cctanactga tgaaggatga ttctgcgcac tctgcagcgc tttactgang tcgtcttaag 120

<213> Glycine max

<223> unsure at all n locations

<400> 36111

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aattcctgca ataagggttg acactagaga acataatagt aactgataga atatcactct 120
ctctcttttg tgtatcactc ttttctctgg gtgtatcact cttctttttc atattccttt 180
gtggagcctc actattttct ttcgcttggt ctctctnttc tctcattctg atttgggtcat 240
cacacacttc tctaggggat agagggtttaa gataaacgag gaagatttga ctattcgtct 300
gtagggctct tctttgttac gattcaacaa acgttgc 337

<210> 36112

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36112

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agaagccact gagaggnagc aaccgcattt acncttttta tgacnanggc ancannncng 120
gcgctggacn gcngagaaga ngaaaccncn nnnncnaana aaanncnagc cccaacaaga 180
gacangncnc ccaaggcccc accacnggcc acaacnatca aacgncnccc caaaaaaccg 240
agncttcaa aaaaaaangg aagaagaacc gccccgaaac cgagggcgag ggcaaccggc 300
gcaaagnnnn naaaacgccc caagactcan acggnctct cactgagtng ctaatactg 360
agatatccat cctgatggct gtggctctgn aagcaggcaa aaatttntct aagaatactc 420
tctttaggtc atccacctc gtgatggacc tttgaacaag gatataccac cagttctttg 480
gcacatcctc taag 494

<210> 36113

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36113

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ctanaggcac gcgcangcaa cgacttccca tgtttactta tggcaagcag naggggaanng 120
aagagtggga gaaaggcgac acaaacagga gccagaacg ggcacaaaaa tcaattggca 180
aaaacaagca ggcaccccaa cctaaagccg acttacatac ctctaaataa gatctgctcg 240
acatgtccac cacacactag cacctgcatt tgccacacat gttaatgggtg gaaaggtgag 300
gtgagtcac acaaaacctc acgtgctcta taaaaggcaa ggggacaaga acaatgaacc 360
tgctgtcata agcaagtgc acagacaaga cacatcaccc acagtgatgg tcaactctct 420
cggagataag gggaagatag aagcctacgc ccgccccact cagaaaagcc tccccaccc 480
n 481

<210> 36114
<211> 334
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36114

aaaaaaaaag agatgagctg antctgacac aaaactagcn ngacgcgcac atngaacgtc 60
agccggaact ttatacttgc taccaccata gccggagaac ttgtcataac atgacacttc 120
actggatttc aacctcgat ttatttggtt gaacaattac aacacaggca ggtgacaccc 180
gagccgcaca tgcttaacta acacatcgcc aatgtgtttg caccacaagc tggggatgcy 240
agggtcgccc cacaatcatt tgatcagtg cccataagac aggtgcgcca actttacata 300
taatcaattt ctagaaatct gagacgcact gaca 334

<210> 36115
<211> 515
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36115

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gangantngg cgcgcgangc aggggggtcc aanagtgtg ctcaaagaaa aggcaggang 120
ggcganaca ggagcgggan acagaagaag acacgcacnc cccacgacca ccngagaaaa 180
ggaaacaacg aagggcccca ggagagaaga gcacaganca ccngagacaa gnacgccaag 240

ctactattaa aattatcatt a

441

<210> 36118
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36118

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tggcgctcc gctcacctct tttcctttat cttccgctgc atctccatgg tggaaaatca 120
ccattaaagg accccattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180
cttccatcaa gtggtaatca gagcacaaga gcttcaagta ggtgctcctt atacctccat 240
taattntttg ctttaccttc tcttccattg ctgtttcttc atttctctcc atgtatctcc 300
tcacatgtct tgtgataaat gtttttaaca tgattcttta gagtttccac cgattaaact 360
tgctatagaa gctagatttg atnttctatg gttcacattt cttgttcttg gtc 413

<210> 36119
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36119

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caccncnggn gnagcgaacg agagaagtta ttatnacctc aatgnncccn gnagnaagca 120
acaangagcc atcagcgaac gggaccatga ccacggagga agccnnanca agacaacaaa 180
cacaangang gcatgtaaaa agacacagca gacaaggggg acnacangac naaagaagaa 240
agaccaacca gagacaccaa cacacncaac gctctctatt aaaaaaacia acaccggcca 300
taaaaaata atggcgagca atcagcagcg gatgtaggat gcaaacttgt ggccaatgag 360
ggagcagcga atcaggcatc acttaccat tgagggggcac gtacacagga tgggaatact 420
cccctttggc tcacacattt agttattcga gaaaaaagga ttgcatgatg cataaggctg 480
gaacggccaa accatacgca caaccg 506

<210> 36120
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36120

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 acaatgcaaa gaatttaaga ataaaacttc cttaaattctt taataaagat tctcacacac 120
 acattatata cacatacaca tagagtatga ttattatgtg aatgacaatc ttatatgaga 180
 atgagaatag ttaatttcaa tcattggatt gaaatgaaag atttagatta aaaatatttt 240
 aaattcaaat tanaacctca tgtaatcata aaatctctaa gaaattaatc aaatatctaa 300
 tttatcacgt ccaaatatat cttanaccta tcatcaccat tatgatcatc agtccaccac 360
 catcgccatg accgttgtat gtcaccacca acatgattgc gacagtggca gcaacaacga 420
 ttatagtcac tgtg 434

<210> 36121
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36121

gggggggagg aaggagatga ggcttcgant ctgttgatca gacanatcct agaaangtag 60
 cnngagacaa taggcgggga gaggttcctg cttctttttt gaacgngcac aggaggattt 120
 gcagggggaa ccaagcatat catccccttc actaatatta tgaagctttg tgaatcatat 180
 gttacattaa catgcattta aattgataaa tatgatgaag aataatggaa cgaatgcgaa 240
 acgcatataa gacaaataat attgctctgg tgataagaac acgtgaaatc gatgattttt 300
 agcaatttct aacatgttgt gcgtagaaaa catatgcttg catacgatag caacccttat 360
 gaatatacag ggcatacaat ggacggtaac acaaactctt tgcatagtcg atgagtcgcc 420
 agaacactat ggtaacatac ttgtggcatt aacgctttac agatgcaaag gactctcgca 480
 cccgaaaacg aaaggtcgca aaaatg 506

<210> 36122
 <211> 472

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36122

cgantnnggt ggtgagctgt gctcgattat cnactagctc cgatcgactg agactgatac 60
cgctcctat gcanatattc atctgaaggc tcttgaccga tcaactgcaga tatgttcaaa 120
aaagaggggg aaaccttaaa aaataattccc accgatggag gaattggccg gcccaagtag 180
ctcctccctt ggttgagaaa gagatgatca cgatgatggg agacactctg ccagtgttct 240
actatgagaa gctagtgggt tacatgccgt ccagctttgc ggatctgggt ttngccgcgg 300
atagaactct cagccttatt gcccctccga agctttatgt catattcgcc aataattgac 360
attcgccctt caccctgcca catcccgta acataatgtc catttaattc atctttactc 420
tcacttatcc ctaatccgcc tcccatcaca tgttccctc tctttaccct cc 472

<210> 36123
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36123

cggaaanaag cggggaaagc gctgaaccat gtatatctnn gcnanatcga gtacactagc 60
cngccagacc gtgatctggg ttgcggatcc aatagatact ggtatatatg tggtatannc 120
atactanaca ccttcactct tcgtactctc acattggtaa ataaagcctc tagtaatcta 180
cccgatgctt cttcacatgg atgaaaatct aaaagttccc acagaacatc tattacctcc 240
gctttcatca tctgctcagc acttgagcat cgcttctgtc atgaactata aaagcattag 300
ggctatgcta atngtactct caagtgttga gtgcaaaaag ttcacaagaa ccactacagg 360
aactntaaaa tagttatcgg cattgggaat gtaatacatt agagagaact aaagcagctg 420
attccagagc gcatgtgggt gctgaggctc atcttgataa taacctttgc agtcaaaaaa 480
tacctcccca tcaccactgg cttttggcac n 511

<210> 36124
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36124

gggngngnnnn ggtaggcatg acatcgtaca cngacacttc gatacatatc ctanaagtgt 60
tcatataaag atctttcaac gttgatgttc tttccagagt gagtacagga acattatattt 120
gatttcaacc ccatatagta aataataatg gccttctggc ccttgggtcaa gtttcaatat 180
ttaaatggat ttttaattggg tcccttaaag aacttccttt cctctgggttt cattggggatt 240
ggttcaagta taagaatttt cttggaacac cctaataatt accaactaaa taacaattct 300
aattgatagg gcacactttg aaagttgatg aatttgaacc aanatacaaa agcaggcccc 360
tatgaggaaa gaggggtgct caaatattac taccaatact aatgaaaaaa catgtcagac 420
aatggatggg acagaataat agtaccaatg attgcanata gaagagatga caggccagat 480
cagacagtgc aagcatgcca tgnacagaga ggaacacan 519

<210> 36125
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36125

ggggaaaaaa annnaaggct gaacatcgat acttogaact tcnaaactca agctgatgtg 60
cgctaagcct tacatctcag gctaagngca tnttgtataa naatttttgn gnngcanaaa 120
gcgctaagcg cagccttgcg gcgctaacc caaaaccctc tcttgaattt gaaaattcaa 180
agtgggccgt acgccgaggg taggctaacc cattggcctt aaacctcaaa tgtcataatg 240
gcaccgctta accgcgcca aacggaaatg ctaaaaataa aatagaactg ccatangtag 300
ttacctttac accaaaagct ttttctgtg cttgtgccct tgtgcttttg tgctttcttc 360
tgctgcatt tcaagtcatt cgtgcatcat gctngctntc atcttacatn cttcacttca 420
atccaagtaa gtngatgttt attttcattn gcttttcattg cttttgacct tangatagat 480
gatttcctcc tttgtagctn gcagtgcctg ttaagt 516

<210> 36126
<211> 298
<212> DNA
<213> Glycine max

<400> 36126

tacagatacg ctggaagcac tatgaaacac atgatgatgg atatgtgtat gacagaatga 60
gagcactatt gggaataata tccttattag tataacattc tgcacactaa ctgtctagga 120
gttgaagcat tataactata ttaagacatg gaacaataaa tgtagtgact aaccactgaa 180
aatgcttaca tgcctaagtg cttgaacgta tgtgtctaga ctttctcagc actaaggtaa 240
tcttgagtaa agattggaga gaaaaagttc atgaaaagtc aacacatttt gatcgttt 298

<210> 36127

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36127

nntaaaactt gcattctacc ctctgatccc ttatttactt attgctttct ctaattatgg 60
ttacagaagg accggctact ttcaaccctt cttgaacaat aagggtttaa atgtgagcac 120
aacattggat atgaaaaaat tcaccaccac ttactaaacc attagcatgc aaaaaaagtc 180
tttcttcaa atagtcttgc attttatcat tggaagaagc attatctaga gttaatgaaa 240
atactttctg ctcaatcccc cattcttcca aaaaaccata tataacttta gccttctcac 300
gccccgagtg tggaggagga aaatgagaaa aattaagcat ttactattc aacttccaat 360
ttgcatcaac ataatgtgca gttaatgaaa tataaccctc agaagtacaa gatgtccaca 420
catc 424

<210> 36128

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36128

cagtagatga agatgaatct gtggctcacc tcatgtactc tctctaagga caatagcatc 60
atttcttgca ctgaattgtt gggagttcga aaccatcttt tcaatcaa tccatgccta 120
agcaggagtc atatcaccaa gagctccacc actggcagca tcaatcacac tcctctccat 180
gttgctaagt ccctcataga aatattgaag aaagagttgc tcaaaaatct ggtggtgagg 240

<223> unsure at all n locations
 <400> 36131

ntagttgaac agaataatcc anaaatgtct aagaattgtg tgttgaanaa gcataacaag 60
 actttctgtg attggtttaa agatacaatc tttgcagatg agaatgcttc agaaacatta 120
 agaaaactag ccgatggggc tgtaagaaat gttataactt ggcaaggata cgacataaac 180
 aagtattcat ttacacaaa agcacaagat gacaaaagta caatgcagaa cagcgggggtc 240
 accctaaggg ctgaatctca acactttgca agtgtcaatg acgccaatcc ctgtgttgct 300
 tccgtccctt actttgggtt cattgatgaa atttaggagc ttaactatgt gaaatttacg 360
 gtatgtgttt tcaaagttaa atgggttgac aacaacaccg gtgtgcgcac cgatgatat 419

<210> 36132
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 36132

gactaagtgc tcaccaacac tagataagaa tccctcattt tgtttcatgt aaacctcttc 60
 ttctagatca ccattcagga acgccgtttt cacatccatt tgatgcagct caagatcaaa 120
 atgagctact aatgccaaaa ttactcgaag agagtctttc ttagatacag gggaaaagggt 180
 ctctctgtaa tcgattcctt ctctgtgagt gaatccttta gcaacaagtc ttgccttatg 240
 tctctcaatg ttgccttctg agtctttctt tgttttgaag acccatctac atccgatggc 300
 ttttacacca acaggcaact caactagatc ccaaacttgg ttagatgcca tagaatccat 360
 ctcatccctc atagcattat accacacatt tgattcctta gaactcatgg cttatgaaaa 420
 cgtctcagta tcattttccg g 441

<210> 36133
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36133

ttcttatcca aggctcatct tggtggtgaa gcttcttctt ccatggctta tttccctagt 60
 ggatggtgcc tcttctcacc tcttctcctt tgtcttccgc tgcattcca tgggtggaaaa 120

tcaccâataa aggacctcat tgaagctcan agatccagcc tccatagaag cccacaaga 180
 aagcttccat caagtggtaa tcagagcaca agagcttcaa gtaggtgctc cttaaaccctc 240
 cattaatttt ttttgcttta cttctctctc cattgttggtt tcttcatttt tttctccacg 300
 tatctctca tatgtcttgt gctaaattnt gttaacatga ttcttttagag tttccaccga 360
 ttaaacttgc tatagaagtt acatttgatt ntctatg 397

<210> 36134
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36134

agggtgtgnn nncttgata gccgncnact aggataaacc acggagcaac aagggtctcc 60
 cgaagaccga ctatcttttt acacncaaag cgccagagag ggcgttaaca acataaaact 120
 tattctcca aagggaccga ataacatgtc ataagcacta atcggccttc acatttgaga 180
 attcagagag catatattct attgcttact aagatactca catctcttac ttacaatttg 240
 agacctgaac agttccattt caccgtcagt aacatatgct gagectataa tatagcttga 300
 tgtgagattt ctttgacat ccacaacagc gtgttactag attacactat cgcacaactg 360
 attactagat tgtgtcccc tcagatgtgg cttcatgcta cagggcaaga accaagatat 420
 gaaaatggga cactagaact ttttctcac aagggtgaatg gtctttatct tcgtttacaa 480
 cgctgtctgt atgatcccg 499

<210> 36135
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36135

ccccccgcc agccaataaa aaagaaaaaa aaggaaaaga anaccagaa acagggcggn 60
 nnatgagcct cgaagaccac cnanacanna acaccgggg gaggaagaaa acgcccagg 120
 agagagcagg angcttattg tgaccaggcg accacaaacg tggagccgga agagactagt 180
 gggacacccc aaggcagaga aactgacaaa cgaaaagaaa acaagcaacg aagagaagac 240

gagactcaaa gtgaaacccat gaaacctcaa gcaaacgtag aaggagcaca accaccaaga 300
 agacggacac acaatcaaac gagatctaca tatgcagaga agcgcaaatac agcgcccccac 360
 caagaggaga tgacaccgaa aggcaacacc ccaagacgcc gcgagaacgc gaacaacaca 420
 cacaccggca cacacaaaaa gaagaacgcg aggagagaga ctagcacagg gggcaccacg 480
 acgcgacnta gacacgcaga gcgagtaaac aagcagagcg aaagacagga ccacaacaca 540
 aact 544

<210> 36136
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36136

ctcacctcct tgagatgaga agctagagnc tagctacaca cccctataa tagctaagct 60
 caccctatg acaaaatata tgataatata aaaaanatcc ctactacaaa gactactcan 120
 aatgccttga aatacaaggc taanacccta tactattaga atggccanaa tacaaggccc 180
 aaacgaagga gaaacctatt ctgatatntg caaagataag tgggctcata cttaacccat 240
 gggctcaaaa tctaccctaa agctcatgag 270

<210> 36137
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36137

ntntggattn tcacaagtgt tggctgaaaa ntttttagag tncttctaca accaattggt 60
 tggcaagctg accaaggggg gttaaatagt gtgtagata tatatgaaaa tcatttcgca 120
 aggagtatgt gttaagtcaa aagacatttg tgtcttaaga cgaatcatgc ctttgactat 180
 tttgatttga cgcacataaa tacaaagggtt aaaatgttgt tttgtgcgat attagaccat 240
 gcctcatata tttgtgtttg tataatcgaa tgatagaaga ggcattccat gatctgataa 300
 agcattaaat gatagcatta aaaaattcat ttattgtcgc gtctcggatt cattttatag 360
 atgttggggtt agtcgagaat ctaatagagg ggaggggttg aatagattcc ttcgaaaact 420

taacctctta atttcttaat tcaatt

446

<210> 36138
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36138

acctattggt gtcaactttt acttacttgc atntactggt tttttttact atagaagtag 60
tttatttctg ttntaaccat ccattatcaa tgctattcca acaatgcctt atttctgaat 120
taaactctgt ctaataagca agttacctga gttcaatact cggatcactc cattnntaat 180
ttaaatactt gactaccggg tgcgctntcc ggcgaatcgg atttcccttg aatatatttg 240
tataaaggaa aatnggacca naaagtaact ggaggggata tccaacatat agtctntgaa 300
aagtaaaggt ggatgacatt gatagtctcc t 331

<210> 36139
<211> 441
<212> DNA
<213> Glycine max

<400> 36139

tcgtgggaaa ccagtgcag gaggagaaag ttggatgctg aatttgattt gtgggattca 60
caatcatgaa ttggcaaaga ccttagttgg acatccatat gctgggagat tgacaaatga 120
tgagaagaat atcattgctg aaatgacaaa gtcgaatgtg aaaccaagaa acatcttgct 180
aacgttgaag gagcacaaca ccaatagttg caccacaatc aaacaaatct acaatgcaag 240
aagtgcatat cgttcttcaa taagaggaga tgacactgaa atgcaacacc taatgagget 300
tcttgaacgt gatcaataca ttcattggta tagattgaag gatgaagttg tgggtgtgtga 360
tttgttttgg tgtcaccag atgcagttaa gttatgtaat gcgtgtcatc ttgttttatt 420
gatagacagt acctacaaaa c 441

<210> 36140
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36140

tccaagtgct ccgatcatcc atttgcatac tcatgttttg gtggcatact ccncgttggt 60
tattttcttta ggaatnntat cataactaag aaaacaccaa gtcaccccta taacactcga 120
tccagaanaa tggataatga agagggcgtg tangaacata tgaaggccga tctattggcc 180
ttaaaggatc aaatggcttc catctcngag gtcatgttan aactccagaa aaccatagag 240
gataaagcca ccgcaaccgc cttcagtaca gttagggaag cggagccggt gctgcagccc 300
gctttgaatc cggcctagac agaaacacgg tcgtgttcgg tcgaaggat agtccacaag 360
cttatcctta t 371

<210> 36141

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36141

ntcgcagata atgtcaatgc cccaccgcat cccctgaatg tctcgtccgc cccttggcct 60
ttctccatgt ggggaataga tgtcatcggg gccattgagc ccaaggcctc gaatggatcat 120
cgcttcatcc tcgtagcaat agattatttc accaagtggg tcgaggcggc ttcataatcc 180
aatgtcacga ggaatgtggt ggtcagggtc attaagaaag agatcatctg ccgatatggt 240
ttgccaagaa agattatcac ggacaacggc accaacctga ataacaagat gatgggggaa 300
atgtgcgagg agtttaaaat ccagcatcac aattccacac cctaccggcc aaagatgaat 360
ggagccgtgg aagcagccaa taagaatatc aaaaagatta tccaaaagat gactgtgtca 420
tacaaggatt ggcacgagat gctc 444

<210> 36142

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36142

gtcactatat gtgacgcccc acaatcggac atncgactta aatgttatga ccatctgaat 60
ttctcaagag cttccgttgt tcaattctga gcgtcttcgt atgtgatttg tctgaatcgg 120

acatgcgtgt gaaaaagtat gaccatttgt atttctcaag agcttccgat tgacaatttc 180
aagcctctcg acatattatg cgcccgaatc ggacatccgt gtgaaaagtt atgaccattt 240
gtatttctca agagcttccg atgttcaatt tcgagcctct cgacatatta t 291

<210> 36143
<211> 405
<212> DNA
<213> Glycine max

<400> 36143

tataatatat tgatacgctc gaaattaaac gtcggaaact cttgagaaat tcaaattggtc 60
ataacttttc acacggatgt ccgattcggg cgcataatat gtcgagaggc tcgaaattga 120
acaacggaag ctcttgagaa attcaaattg tcataacttt tcacacggat gtccgattca 180
ggagcatcac atatagagac gtcgaaatt caaatgggtca taacttttca cactgatgtt 240
cgatacaagc ttataatata ttgatacgct cgagattaaa cattggaaac tctctagaaa 300
ttcaaattggc cataactttt cactgatgtg tccgatttaa ggcataata tgcgagagg 360
ctcgagattg aataacagaa gctcttgaga aattcaacat ggcat 405

<210> 36144
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36144

agttgtgtgt tatacaacaa taagccttat tccaccaagt ggagctaata tacatgtcaa 60
aatcactaat tggcatccac atttgagaat ccaaagtgca taaagtttat tgattactaa 120
gccactaact tactttactt acaatnttgg cgatgatcgt tctatatcaa tctcgttaac 180
ctatgctctg ctcatctta ttntccctg catgatttcc ttgggactac agatactg 238

<210> 36145
<211> 468
<212> DNA
<213> Glycine max

<400> 36145

tcttgagtc ttctatgcaa tgcccttggg gggtaggatt actatattct ctccccctt 60

gaaaaggatt tgatctcaaa tccatagggtt cttgaaactc atggattctt tcctcaacac 120
 ctctaaaaag aataaaaaaca tatgtattag tgatgttggg tatgttagag tacgataagg 180
 actgaaaacc cctttcttgg ccatcttccc atgagagaat atagttcctc accaactcag 240
 tgagtgggtgc tacaagtata gaaaaatatg ggataaacct ttcgtaaaag tttgttaaga 300
 tattgaagcc cctaatttcc cttatacatg ggggagtaag ctactcaaga atgaccttta 360
 ttctcttagg gtccatggga agcccttgat cactatttaa aaagttaagg aaagtaatgg 420
 aataaaatat accttttttc tttattttca tgttgattat tcctacaa 468

<210> 36146
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36146

aggggattgn nctggagant ctagatctct agagagacac cngccgcatg aagctngcat 60
 ccaagctcag caagcgggtta ttcttcttct tcatggcnca caccctagag gaggggtgcct 120
 gctataacct cacctcctta gactcacgct gcactacat gtaggaaaat caccattgaa 180
 ggacctcata gaagctcaga gatccaagct ccataaaagc cacacatgca agctctcatc 240
 acacgaagct gaggagtcca tcgatagcca gtgaacacga caaacttatg agataaaaact 300
 cgcctatagc gtatcaaact ctaccactnt atggatactt cgtcagagat cactctttaa 360
 tgccaagaat acgaagcaat actcaatact atcatgatgg gtgataacaa ggccatccca 420
 cagataacgt aactaagctc gcaagaaagt gggctatccc atctccgaat caatatgccg 480
 ctagcgagca gacctagcgc cctctctgg 509

<210> 36147
 <211> 458
 <212> DNA
 <213> Glycine max
 <400> 36147

tgagatgagg aagtgtagaa aggtgaaact tcctgttttt attctttgac cacagagtgg 60
 tacctggaga tatgtcgcgg agatcaagag accttgggga cgtcaagtgg ggtgctattg 120

tagatcttat ttgataggat ctaaaattat ggtttttact gatcatgttg ctataagtta 300
 tctgttagtt aaagctgatt ctaaacccca acttatccga tggattctgt tgttgcagga 360
 atttgactta aagatcaagg ataaaaaggg aagtgaaaat tatgtagttg atcatctgtc 420
 taggctgacc aatgatgagg tgatcacaca agaacctg 458

<210> 36150
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 36150

tggactcgat ggggccgatg catgttgaaa gccttggacg aaagatgtat gcctatgttg 60
 ttgtggatga tttctccaga tatacctgag tcaattttat cagagagaga tcacacacct 120
 ttgaagtatt caaggagttg agtctaatac tgcaaagaga gagagatagt gtcacatga 180
 gaatcacgag tgaccatggc agagagtttg aaaacagcaa gtttactgaa ttctgcacgt 240
 ctgaaggcat cactcatgag ttctctgcag ctcttacacc acaacaaaat ggcatagttg 300
 aaaggaagaa caggactctg catgaagctg ctacgggtcat gcttcatgct caagaacttg 360
 cctataatct ctgggctgaa gccatgaaca cagcatgcta catgcacaac agagtctcac 420
 ttat 424

<210> 36151
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 36151

agatactcac cttacaagga agtttcgtgg aggaggagaa ttagagagtt tcatttgtct 60
 tggaaatttg acggaaaaaa gggagagaat ttaaccttta aagttgtctc tcaaaaatct 120
 cattcctcaa atttccctta tacttgatgg agtgggccac tcacgaatga catttattct 180
 cttaagggcc gcggaacac cttgatcact atttacacaa ttgaggaaag tcatgtgata 240
 aaacatacct ttttctatat ttttatgttg attactc 277

<210> 36152
 <211> 339
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36152

aaaaggtaat attgtagccg atgctctttc tcggcgatcat gcattacttt ctatgcttga 60
 aacacaattg attggtcttg aatgtctgaa aagcatgtat gaaaatgatg aaactnttgg 120
 agaaatttta caaattgtga aaaattttca gaaaatgggtt tcttttagaca tgaacgctgt 180
 cttttcaaag aaaacaaatc gtgtgtgcct aaatgttcta ctagaaatct gcttgcttgt 240
 gaagcacatg aaggagggtt aatggggcat tttggggccc aaaagactct ataaacatta 300
 caagaacatt nttattggcc tcatatgaaa aaggatgtg 339

<210> 36153

<211> 398

<212> DNA

<213> Glycine max

<400> 36153

atactcaacc ttctagatga gttatgtctg cgaatcggac atcctgtgat atgttattac 60
 catttgaatt tctcgagtgc gtggcggttg ttaatttcaa gcgtctcgat attttatgtc 120
 ctcaaatacag acatcggagc gaaatgttat gaccattcga agttgtcgag agcttccggt 180
 tttcaatttc gagcgtctac atgagttatg tcaccgaatc atgacatctg agtgaaatgt 240
 tatgaccatt ccaatgggtc gagagcttcc gctgttcaat ctcgagcgtc tagatgagct 300
 atgtacccga atcggacata cgcggttaaaa gctgtgacca tgctgatatg gcgagagctg 360
 gcgctgttca atcacgagcg tctcgtatta ttatgtcc 398

<210> 36154

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36154

tgttgatgca agaggagcat ccattgcat antttagtga gaaatcgaat ggggctgctc 60
 ttanctattc tacatatgat aaggaattgt atgccttatt aagagctttg cagacttggc 120
 agtataatct cttgcccaag gaatttagta ttcacagtga tcataagtct ttgaatactt 180

gaaggacaag gaaagttgac aagtgcacgc cnatatgtgg aattcttgac aattcccat 240
gtg 243

<210> 36155
<211> 425
<212> DNA
<213> Glycine max

<400> 36155

tggagaggat gttttaatgg aggaaaagaa agagggagat atagagagag ggggagcacg 60
aaattgaagg atgaaaaatg ggagagaagt ggaactttga tttgtgtctc actagactct 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaaaaa ttccttgaga agcttctttg agaaaacttc cttgagaagc tagagcttag 240
ctacacacac ccctctcata attaagttca cctccttgag aagcttcctt aagaagattc 300
ctaaagaagc tagagcctag agacacatac ctctctaata gctaagctca cctccttgag 360
atgagaagct agagcttagc tacacacccc ctataatagc taagctcacc cccaagacaa 420
aatac 425

<210> 36156
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36156

atgcttcacn gantntgnca cggccgtgct cttgcctgcg agcccctcta gggtcttggt 60
cctaggcctt tgtgggagct gcattttcct atcgtaaccc ggcacactct ttccagacgt 120
ctgtagcgac caactctgat ttttctttgg ccagtctcgc ttttcctagt ttttggtntc 180
agagctcgaa cttcttcac ttttccaga gcttcgaaat tctcttcggt gataatcttt 240
aacttggcga gccaatctaa accccgtgta cgaactttca tccattcatg ataaccaccc 300
atgatngcca tacgaatgcc cctaagctct ttatctttcc ttaacggggt ttcccacgcc 360
ttatggactc tntgtataac cctgaaattc tgcgcgcca aatctctcac aaggaaagga 420
gacangcttt cttccgtcng gtgcttccn 449

<210> 36157
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36157

ntaaccgttt atttaagcca ttttctcacg taataaatgt cttaatgaat ttcaaccaat 60
catttggtgtt gtaatgtcat ttaatcaatg ttaaaacaaa atctaaccga tcgttcacgc 120
tataacctcg gttaaacaaa aaaaggtaaa ataataataa aataatcaaa aaaatcaatc 180
ggacgttttt ctttgaaagt ttccttgaat taattgacta ataaccaag tgaaaccaag 240
gctaaaatca actcacaaat caagcttgct cgcaaaaaat cactcaagac cgttttaagg 300
tccaacgcct taaaacggct ctctttgctt atattgggta aaatggacca ttcaaagcat 360
aaaatcaaca tataaattta tcgcttttgc aagaactacg taggtatgat tntctcatca 420
caattgagg 429

<210> 36158
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36158

gtagatagct ncagcgttgc ccaaccagct aacactgatt ntgacaggca cttgttcccg 60
aacgccgaac attaataaca cttccggggc atcaagggat tggcattcct cagagagagt 120
gggtccact ggaggaagat gaagtccttg actttcaaga aggaggtgct tattagcgcc 180
tgccacaaat ttgtgaacct catgattaaa tccgacctag agatagtcac gcaattctat 240
gccaaacgct gctaccgaa ganggagctc gatatatgtg ttagaccgca nagatatttt 300
gatgttntga tgaatgccaa ggatctcacg cctctcnaag ttatttcaag acaagaatcc 360
aagaaattca agatatatga tncagataat cttcagagtc ttatgaagga aattccaagt 420
ngaaacaaca agagggttga ccatagaatn 450

<210> 36159
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36159

tccgcaacat ccaagtaaaa caacattcaa acagcacnaa acttcactgc caaganaata 60
gagcaaaggc agaaaactct gccaaaacac caaccgaaat cacagctttt ctactttaaa 120
gaccccagta acaatttcctt cgatccaatt cgtaaccgt tgggttgact ccaaaatttt 180
actggaagtc tctagtacat aagcctacat tttgaccgtt gggatctact agcaaacatc 240
cagaactcat tctgcaactgc tctttcccca accagcaa at gcatagcatt tttctgcact 300
tgtgcaaaat tctgctgcac aattttcacag caaaattctg caciaagtgc agatttcgaa 360
aaccacactt cccctcatcc aatcttgccc aatcaa atc ctataagtcc caaacatgt 420
atcaatcatg tctaaaccaa agtcaagctt 450

<210> 36160
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36160

aggggnttat gggcagttgc nngatgntct agagattctc tagagaccac gcagccgtct 60
ggctctagan acccttggtg atcgatatca ttttttanag cccacaaaag gggtttttat 120
atatgtttat agttataacc cactaactac aggggatgat tgcccttgta aaaaaataga 180
tagaacacac acacacacac acacatatag atataattct caagcttata tatnaaacat 240
tcctcttata tgatgtgacg tatatatata tatatatata tatatatata tatatatata 300
tatatgtata tatatatata tatataacgg tgtgatgggc acgtggaaac aaaatataga 360
gaaaatttga aactgtgact taagaagaat tttgtagatt ttattttctcg acaaaaattt 420
tgtatgtttt atatatccac aggaaggatg tcttattgtg tttcttcctc atataatgag 480
tgttgacccc agaaaccatt tatttn 506

<210> 36161
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36161

tgcccagatg atgcatccct atgagatgcn gtggaattat tttcgatcag aatggccatt 60
ccttggagga tggggtagaa ccaagcgcat gctttttcaa agaacgttca tggaatcaag 120
ttgaacaatg gaagtaacta tcttgcaaaa attggggcaa aggatgaatc tagtcacatg 180
actgcatgaa cgactggcac acgtatttat gaaaggagat gtccttgcta cttgcggtgt 240
cacctataac atatatgtga tagaccgtgc ggaaaatcta aattgattga agcggatatg 300
ctgcacagat gctttaactg tacatcatac gtacacatcc ttgctgctca ataggagcgg 360
agcccatggc actctctcct tgaatatgaa catgattatc cataagatga ctgtgtcata 420
c 421

<210> 36162

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36162

cagtctggat acccttcacg aacagatnng tcggctattg gagttttata nnttcaatcc 60
ctctaataaa aaatatgcat gaaatgtcgg taaaagaaga tggttcgaat ctgacgtcca 120
tgcgagtgat agcttccctt gttaaccctc gatcgagtca ttctttccct gggccgaagt 180
acgacaagga attnnttttt cgatcatact atcggtgaaa nannatattt ttngccgaga 240
tggtgtaatg ttctcctggc cgaataaatg caaatatgcc agtttcggcc gaaacaaaac 300
gtcggttgag ctgctcaaa taaacttagc cgacctacat tgtacatctt ttatgcaaca 360
ccaaaacaag aggacttcct ctgccgtaat aaaacatatc ggccagcgag c 411

<210> 36163

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36163

ntacagcaga ntttagtaat gaccactaa cctagaatta aataacttaa tgccattaac 60
ctagggaatt aaaacaaact taatggctga gtgtaactga aattgtggca accaaaagtc 120

attgaagctg gatgtgccga ggtttgacag ctccgatgct acagagtgga tctntaataa 420
tacgcaatat ttcgaatatc 440

<210> 36166
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36166

cacgaggccg ctggttggtga gagaaagagt agggaccaca cacactttct gttgcatatc 60
tttagagaag tacaatcttc cagtgggtgcc tagtgctaga gctgactttc aacatacaaa 120
tcaaaagaaa cgctaatagc ataagacana aggagtgaca attacctttt gttatgcaac 180
ananactatt gattgcatga taatagaatg aagcanaatg ccctcatcac ttgtctttca 240
caaagcatgc agttattcaa agagaagaat ataatgtatc ctgtacaata aatngggagt 300
aggcataaga cagatatcaa ggaaagtagc ttaaaccaca gtctcgcggc tactgtntca 360
ctcaagcaca agtggttaag catttcatca ataacaact 399

<210> 36167
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36167

tatccttatg gectgectcc ggaccttcac ccccggtcca cctcagaagt gttaagccaa 60
gcccctactt ttgaggggca actcccacca tatgaagact atcccgggca agacgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atccgtcccc gcatgaacta 180
ccccaacaga acatattccg tcataccccg gcctcaccca caccgtaaa agaactctgtt 240
ccctttgcag aagataaggg aaagattgag gcgcttgaag aaaggttgag agcagtcgag 300
ggcctcgga attaccatt ctcggttta gcggtttat gtctcgtgcc caacatcgtc 360
atccctccca agttcaaagt accggacttt gataaatata aaggatgac atgtccgaag 420
gggcatcttc ngatgtattg ccganagatg gaggcgtatt ctgcggac 468

<210> 36168

<211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36168

agcttgnta ccccatggtg aatntgcttt ctttatagct gttcatagca ccactaattg 60
 ttctcctttt gaagttgttt atggttttta cccactaact cctcttgatc ttttgcttat 120
 gcctaagtgt tctgttttta agcataaaga aagtcaagca caggcggact atgtgaagaa 180
 gcttcatgag agagtcaaag atcanattga gaggaataat aaaagctatg ctaaacaagc 240
 caacaaaggg agaaagaagg gtgtcttcga acccgagat tngtntggg tgcacatgag 300
 aaaagaaagg tttccggaac anaggaaatc aaagcttcaa ccaaggggag atggaccatt 360
 tcaagtgtt ganagaatca atgacaatgc ttacanagtt gagctgcccg gtgagtataa 420
 tgtagttcc accttcaatg tctctgatnn tatctctttt ga 462

<210> 36169
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36169

tctgttgga cttgaacaag caatcaactc ctctcagac tatgctatgt gctcgcgact 60
 ggccctttt ttcccttcgc aacttgagtt cattattgct accccataga gctccgcgaa 120
 atttgttccg gccatactct tccttgagag cctcttggt ctcttggtca agggctcttg 180
 cggtaattgc attctcttcc cgtaaccggg cgcactcctt ccgaacgtgt gtagcagcca 240
 acttgaactt ctcttgaggc agttttgcct ttcttaactc gcttttgaga gcttggactt 300
 ctctgctcct ttccgggtgt tcaaaattct ctctcgtgac gacttttaac ttggcgagcc 360
 aatctaaacc tcgtatgcga actttcagcc attcatggta cccaccaatg atgccattac 420
 gaatgcctct aagctcttga tctttcctta acggagtttc ccatgc 466

<210> 36170
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36170

atatatatag ccagaagggg tggttcccta naataacgga cgagctcacc tcagtatccc 60
 ccataaaaag acaagctcac cagcgttata tatgaagaac cgaacccaaa ggtaatgcta 120
 tatatctttc atctgcttag atattccgag ggttttggtt ggattgatga gttaataata 180
 aaacaagcta attaaaatga atatatgtta gttggtcttg tttcttagaa taagatcata 240
 agatgaaatg anatgtattg aaacttacac aaagctattt acattttctt ttcattcaat 300
 aagcttatat ctctcttact atatatatat atgnggggct atggaatata attaataact 360
 aactgttcac taatataata tatata 386

<210> 36171
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36171

taattattca tgcactatgt gtattttaat gnttcaaaac ngtgngttct taaatctaaa 60
 tagcttagtt ggagaattaa atttaaaaaa taattataaa ataattacat aactcttcat 120
 gcgatattca cacctttata acataattag tagtatctaa caccttatat tttgtatata 180
 taatttttaa aataattata ggaattcatt aatgtacacc tacctatfff tttagaagta 240
 gttactaaat tacaataaga ttcttaaaat acatcccagg cctaagttgt taagattatg 300
 ttttaataaga tatttttagga gtctataagt tatttttgact aaagtaaact tgtctaatac 360
 atgagtttan tttttataaa ctaccttaag agaacttatt ttgataagtt acttaaactt 420
 ataaaagata agctaactta aaagtttctt ttcatt 455

<210> 36172
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36172

agcttcatac aactgagaca tggtagaata atagngtact ccaggcatng ccgttngctg 60
 agatctcatc acccttacag actatcgaaa aaagctttta atggaagtca agagcacgaa 120

actgcgctga taccattgac tgggtgaatag gtcttccagt ggggtgaaca cctgaatact 180
gtatttggaa agacctaaaa gaaggataaa agtaagactt gcatatggaa gaagagggtcc 240
attttctttg atatttcgta ttggtttgat ctagatgtta gacattgtat cgatgttatg 300
catgtggaga aaanagtatg tgatagtgtc attgagacgc tccttaacat tcaatgcaag 360
atgaaagatg gtctgaatac ccgtcatgat ctatctgaca tgggtatacg atcgcagttg 420
catccaaagt ctgggtgggaa aatatacttg cctccaactt gtcatac 467

<210> 36173
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36173

agaaactcaa gcttaacagc taanaagttt gtacagaaga agaaaattta aagattttnt 60
ntgtcattat gatatggaat atccaccaat tttgctgatg attaatttcc atcaagtaat 120
ccaattggtc tcctttaatt gaatttctct tcccaatcat gttttttcat tcacaagact 180
cgaatataaa atcttgttta aggagaccac aggactaacg tatgttgctg gtaaaagtac 240
atggcctcac ttttggttta ttagtaaacc cgaaaaatga gaaattgcgg gttgatatgg 300
tttctcaa at aggaagggtt gtgttaaagg ggtatgaaaa gttgcagcat atgtatgtga 360
ctttctgtta gtagagtgtt acattagtaa tatgttccta tgcatacttt ctggcattca 420
gtgttttcat gttcaagtcg tactacttga caatatggta tgtactc 467

<210> 36174
<211> 473
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36174

ccgaacacaa naggagagaa ganagaacta ttgatcagct agagaacacc ccggagcgag 60
aggcataggg atagagcaaa cgctgaacta tnccgagccc aaagcaatga ccacaagaaa 120
ggggagtaga ggctcaggat gcaccatagc ggacctggta gcacaccacc tggccaacag 180
acagagccat ctggcattca agcaccagaa acagctgaag aaacgggctaa aacggatcac 240

acaccacaag ccaaaggcga aggaagcata acgcacggaa cagaggcgca cacacccgac 300
 tcgactcacg ctgtacgcat caaaacagaa acatgggaga ccaagtcgcg cacactgcga 360
 cgctgtgaca cgcacacaag cgtacctaaa tggatctcgg acagctggat aaggcacaac 420
 aanacagcac cgaggcagca acaccggcta tgtagaggga ataacgcagg aag 473

<210> 36175
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 36175

ccttcttatc caaggctcat cttgggtggtg aagcttcttc tttctgggtt atttacctag 60
 tggatggtgc gggttcttac ctcttctcct ttgtcttcg ctgcatctcc atgggtggaaa 120
 atcaccaata aaggacctca ttgaagctca aagatccagc ctccatagaa gccccacaag 180
 caagcttcca tcaagtggta atcagagcac aagagcttca agtaggtgct ccttaaacct 240
 ccattaattt tttttgcttt accttctctt acattgacgt ctcttcattt ttttctccac 300
 gtatctcttc atatgtcttg tgctaaatat tgtaacatg attctttata gattccaccg 360
 attaaacttg ctatagaagt tacatttgat tttctatggt tcaaatttct t 411

<210> 36176
 <211> 59
 <212> DNA
 <213> Glycine max

<400> 36176

agcttcgatg ccgatgagca ggtcatctcg tgcgcgctca aggagctcgg cggcggcgc 59

<210> 36177
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 36177

gatgcgcac caccgggctc gccaccgcac aggcccgat taccttatcg gcatgcatgg 60
 tctttgcagg gcatcacaac tttcagaatt tcatggaaac taaaaatact tatgtagaac 120
 aatcacttga cctgcctgca ggcgcgcctg tgactgtccc ccaggcgact gcaccaccac 180

agtcctctat aagacatcat ttatcagatg actcgccgc acggccccgg cttcactcgt 240
agaatcgccg cttggattcg ccggccagca ccgctggaag gcgaacaagg agttcctaga 300
ggagtcgcct ggcaacgctc caggcatcgt tggagacgag cctgcacccc accggtgcag 360
gctttttttt gcttcagcgc atgctcatgg actggcgctt ccaggccggg tcctgccagc 420
gctggaaca 429

<210> 36178
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36178

tgctccacan aggcataat catcacagcg gtccccttga actgagaatt ctgagaccca 60
actggaatga tgatcattcc ttgaaaaatg ctgattcaaa ncaaactgac tcagcacata 120
atcttgatac aatggtgtct ntggtctcat aagagtaaga cacttcatca gaatcanaaa 180
caaaaatggg tntgaaaact ggatttgcac tgagaactgg atcacctttg aatattgccc 240
ataccatggt ccacttctga 260

<210> 36179
<211> 445
<212> DNA
<213> Glycine max

<400> 36179

acacttgaga atactcacc ttgctgtttt attataaata tcaataattg tcagatccac 60
ctgggtaagg ttcacaaaat aacagccatt gtatcctatc cacaccaagg aaaaacatat 120
tacaaacaaa gacaatatag atttaaaagt tctgagcaaa tcagtgtgag ttattctgca 180
taagaactca gaccaacaat catggagaac agcaaattct tcgtgatacg actggtataa 240
tcattttctt tattataaga aaaattacaa acgttcagca atgggtgata gaatacatag 300
tgtcacaaga taaccccatg caatatccaa aacagaatag ggatctcaaa ggattagaga 360
gaatattaag aaaaaatagt ggaagcatta taacatatat aaacattgat gagtgatgac 420
aaaggaaaat aaaattaaac aagcc 445

<210> 36180
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36180

tatttgatct aatggatctg anaagaggca natgtaatca tcatgcttag acgaatgaga 60
 aaactggngc anataaagag ggtgaggatg anggagaaac ccatgctgtg acttgcattt 120
 ctgtacngnc aagttttcca ccaacccaac aatatcttta ctcagccaat aacaaacttt 180
 ctccttacc accacccagt tatccacaaa ggccatccct aaatctacca caaagtctgt 240
 ctaccgcact tnnecatgacg aacaccacct ttagcacann accaaaacac caaccaagaa 300
 gtgaatnttg cagcgagaaa gcctgtagaa atcaccccaa ttncagtgtc ctatgctgac 360
 ttgctccata tctacttgat anttcantgg tagccataac cctagccaan ggtcattcaa 420
 cctcactttt ctgangatac gactcgaacg ccn 453

<210> 36181
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 36181

tgttaaaaaac ggaagaaaag aaaatgggaa atgaacgata ttaagatgaa agctaaaaaa 60
 caagaaatga attgaaagtc tcagattcga aaacttacc gttgaagaat gaagaacgaa 120
 tgaagaatga atgaagaacg acggaaaacc atcatggatt tgctcacgaa aacgtctcgg 180
 aagcattaca gaagcacctc ggcttgatt ttcttcacgg aaacaatttt ttttcaccag 240
 aacagctgaa atgcatagcc aggggatccg ggatccttgg aacaaccccc tttttctttt 300
 tttataggaa aaggggagag gaggttgctg ccagctcgc ccaggcgagc tgggttgctt 360
 cctttagaag caaccatgct tcgaaaatac tctggaaggt ccaaattcaa aatttcga 418

<210> 36182
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36182

ttccggaaag aataacttta agatccagat aatatgatgt attataccac ataaccagaa 60
acgaacaccc tctgtcattg ctgcatatat agcttgagtc aagttcttct atttaagaat 120
atgggtttaca tatagtaccg aaaaaaaaaa caatataggt tatattgcgt tgctttgact 180
aataatatcg tattgtagaa tacaaatatg ttgcacgtct gactcttaag aagaacacaa 240
nattaagaaa agaatcanat cagtaaataa ccagttacga tggacaacat aagacattga 300
ttttttttta cttaatanat atgagtcaaa ttttttgttc caaataaaaag atattaaata 360
gattacaaaa atctaattnt ctatttaata attata 396

<210> 36183

<211> 442

<212> DNA

<213> Glycine max

<400> 36183

tcaacagaag gggtccttct cttcagtatg catatgatct tggtttatct tctgaccatc 60
ttaggatcgt atcttattcc tttggtggac cgggtggttca acccggttca gcaccctttg 120
gcctccaaac cgagttggct aagatgactg ctcaagaaat catggaggct aaggcccttg 180
cagcttccaa gagtcacagt gaagctgaaa ggagacgcag ggagagaatc aataaccatc 240
ttgctaagct gcgcagcttg ttgcctagca caaccaaagt aagtctaatt aattaattaa 300
tttaactaaa attaaataat aaattcttcc cataaattaa ccacgtattc aaattataaa 360
atatgtatat ttactatta tgaatcatga attggctact actagttcgc atgtgtaatt 420
aatcatctga acaaatacta aa 442

<210> 36184

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36184

tttcttgagc aagtagcctg gcctgaagct caacttccat tggtagagacc caacgaggct 60
actccgctg agcccacctg tgcaggttga tccagagcca actaaccac aatctctagt 120
ggtaaatcca ctatcttctc ttgagcgtga agtagttccc ccatctccac ctctgattat 180

catctccgat gcacatctg atgaagcagc tgccccctcct gattcaccaa aaggagaata 240
cagctgacct tcctacttcc tagttggagg aattttctgat tcgtcatctg gagaagcttt 300
accctcactg attcccagtt agacactggg gacatgtgat cctgatgacc tnttgctttt 360
ggttatatta taatatgggt 380

<210> 36185
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36185

acactatgaa tactcagctt agaagtgtgc taactaatgt ttaataagga tgtagggact 60
agtttgtcta acttatgtct tatatgtcag caagaaagga aactcttttc catctttttt 120
gtgattgtat ggatactaag ttgatgtggc aattttttat tcgagtataa ggttcaatac 180
aacatcaatt ctttcataac caattgtcgc aacctaccct ttgcggggtg tcgcaacatg 240
cccttttgcg ggcgagcgaa ggcgaggctc acgggtgcgc tttccaaagg aggaaagatg 300
cgcggagtcg ccaccaacgt ttatttgtgg gaaacgtcgg aaaaaccgaa ggaaaccggt 360
cgaaatgaaa attctaagtt cgggagttgt atttacgtnt caggaaggta ttagcacctc 420
ttacgcttgt cttaaaggac aaagacctat ttttaaaat 459

<210> 36186
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36186

agcttattat tcgtacacca naatgtgttc cnttgagtct tatnatagaa cccaccaacc 60
ggaccaagtt gttgtgggtg ngtggagtct tgagggagac tcaagcagtg tatcgagggg 120
aatctccact aaaggcctgc gcaacacaac aaattagaga cttgtctagt aaaaaaggca 180
ccttgaatct aagtaaaaaa gaacactcta ctttaactca acttcacgtt attctacttt 240
nttttactgg cttcacgtta ttgtacttga aacagctaaa cttcatgcan aaaacaaatt 300
ttcaagaacg tattgttttt ttattattta aaataccaac ttagagtga agtcgataca 360

gaaacagcaa gacactcata aaatggaaga taaaagaatg tgatgaccaa gttaattcaa 420
cgcaaccctt tatctcagac tta 443

<210> 36187
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36187

tataaagctt gggaaatcct cactttacat gctaatttgt ggtggttgac ttgggtccta 60
aatcctaatt gtaagatagt atcagagtat aaccaagatc cattggtggg ctaacctaga 120
tcaattgggc cacctgcatt cccacattcc aggctggtag cctagagcat gaaggggtgt 180
gtgttgaaaa gccacttaat cacggtcaac ctatctcgcc ttagttacgg cctctttggg 240
ggctgtcttt ttttttatca gcaaaaatat ataattatat tgatatgagt accagaggta 300
caaagggttac aatttaatac atcaaacaaa tggttccaat atcagacttg atgtagtctt 360
aattgcagcc tcaaggggtg tgctttttta ggccacatcg actagagata tggcttanat 420
agagcttata aaga 434

<210> 36188
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36188

gctatgtcct cgcgactggt ctctttcttc cctccgcaac ttgagttcac tattgctacc 60
ccatagagct ccgcgaaatt tgttccggcc atactcttcc ttgcgagccc tcttgggtctc 120
ttgttcaagg gctcttgagg taattgcatt ctcttccgt aaccggcac actccttccg 180
aacgtgtgta ggggccaact tgatcttctc cttggcaagt tttgcctttc ctaactcgct 240
tttgagagat tggacttctt cgtcctcttc cgggtgcttca naatcctctt cgctgacgac 300
tnttaacttg gagagccaat ctanacctcg tatatgaact ttcagccatt cgtgggtaccc 360
accaatgata ccattacgaa tgcctctaag ctcttgatct ttccttaac 409

<210> 36189
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 36189

tatagaatat ataataaaag aactatgact attgaagaat cattcatggt tcctttgatg 60
 agtctaagtc tattttctccg agaaaggata ttttagatga tgttgcagaa tctttagaat 120
 gaatgcatat tcatggacaa gattctaaag ggaaaggga aggaagcaat gaagatcctc 180
 ccgaagaaga tcatccccctt gacaacatta ttggtgatat ctcaaaaggg gtaacaacta 240
 gacattctct taaagattta tgcaataata tggctttttt atctatgatt gaacctagaa 300
 atataaatga agccatatta gatgatcatt ggatagttgc tatgcaagaa gaactaaatc 360
 agtttgaaag aaacaatgtg tgggaattag taaagaaacc tgaaaattgc cctatcatag 420
 gaacaaaatg ggtatatt 437

<210> 36190
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36190

tgggttctgc cagttcnnac ttgtcggnen ctnnanaang ancgccgctg cagcnaaaga 60
 gcagagtaaa gcannacttt ttattcncca ncctaaccgc ncaggnggaa ctcatgcgcy 120
 accgccccac ncaacccaag ggccagactt acacgcgact gagaacaatc aggtggagaa 180
 gaggntcgag gacttaactc cttaatgtgt catagacact ctcttggggc ctagtatgtt 240
 atacttacta actactatct ctatctcttt taaaaagatg agtaatcgct tattctacac 300
 tataatttgt ttcttatgaa taggaacaaa tgtagtatac ttctaaagca cttataaca 360
 caaataatag tcataatagt agtaattaaa catcaccata ggacggcata ntaatgacaa 420
 tataagacag ggtacgatga ccgtaataat actcacaata tcgatcacat gcattgatca 480
 tgtccacacc actattataa atcaccacta atggactaat ag 522

<210> 36191
 <211> 432
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36191

taatcaaatg atagatgccc taagagatat aaacattmnt aatangaata tatagtaaaa 60
aggcaaaaaca aaaaactcta tgcgttggag aggctaatac tctcttaagg tcccaattcc 120
aaatttcatac ctacccccca atgatttcct ccactctctg cacaaccaat tcacatgcct 180
tatgectact actaatgcc aacttgaaaat taattaagca atttctctct cctaaacttg 240
agcaagtgc a ttcaacctcc tcttctctct taattttttg cttgataagc tttgcgttct 300
catcatgtat ttctctctcc ttttctctct caataggagc ttcaatagtg agtttagtat 360
gttgtctgat gagtctagat ggctcactat cttcaattgc atcaccaaca gctccccaag 420
tcaagctatc at 432

<210> 36192

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36192

tgcaagctat taagcccaat caaaaccac gtcgtcacat acccgcacac aatcgcggn 60
cacgggtcta ctacggcaca gcccgatgta atcgacagga acccgtaag caggccgtta 120
catccgtcaa tgcggttcca atggcccacc aataaccgca gtgctcccag ccaatgccgt 180
cgtgacagct gtctctcta tgcggttcca ttgaccataa tacccttcgc tatagtata 240
aacgaaccag ggttgaagcc gtaccaccg aaccacaaca taaacgaacc aagcacaact 300
aaagacgagc tgtggccacg caaagccaca gaccggcccg tccggtcgaa ccgncgatt 360
ctcgggcctt caattaaagc cccccacatg ctgctatcc cgccaaccat gtgaacaacg 420
cctgagcccg caaagtcgat gactccagac ccgaacaaaa ca 462

<210> 36193

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36193

ngtcaactgaa tcatgagaag ctgttccaag gacacacca attcctgctg tcaaaaacccc 60
catgaacttg aaggaaataa tttatatcaa tcctattaag gacggctgtc tagttttctt 120
agtattttat ttgatggcat ttttatectg tatctgggtc tctttgtgtg tttatgcttt 180
cttttttctc tcatgattcc tgccatgtta atgtttataa tataaatatt ttctcacttg 240
cagttctact ttcaacatgg acgtccacct ccaaataaac tgaaagaaga atgcttggtt 300
aaaattgatc ggctattcta tgatcatatg gatggcatgc atgtgcatgg tgagatatca 360
cacatataag tagctgatag cctgaagggc aattttgttg caactgggtga aaagtgattc 420
taaacaactt tcatattcta atgttggtata taattatgcc ctcttta 467

<210> 36194
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36194

agcttcaaca ttcaatttcg agcgtctcga taagttatag gactcaatca aacatccgag 60
tgaaaagtta tggctggttg tattgggtca aagcttcaac tatcaatttc aagcgtctcg 120
atatgttacg ggactcaatc agacatccga gtaaaaagtt atggctggtt gtattggctg 180
agagcttcaa ctttcaattt caagcgtctc gatatgttac gggactcaat cagacatccg 240
agtaaaaagt tatggctggt tgtattggct cagagcttca actctcaatt tcaagcgtct 300
cgatatgtna cgggactcaa tcagacatcc gagtaaaaat gtattgtcag tntgataggc 360
tcagagggtc aactttcaat gtctagcgtc tcgatatggt acgggactca atca 414

<210> 36195
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36195

tcaccttctg gtctctctca tagttgtggc atgataaaac atgctctatt ttcatctccc 60
actccaagta ggctccgga tcattctttc ctttaaagtg aggaatgttg agtttaatac 120
catcaattcg gttttgtcta ggaacaccat cattccctct tctctcctt tcttcttcat 180

tatgatctct attctccatt tgatccaacc tctcatggag cgcacatct cgttgtttca 240
 ttaacctctc catatgttgc atcaaagctt gcatttggaa ttgcgaaagc cccactccat 300
 cattaggatt agtacctgac atctcaaaca aacaaatcaa acgtaacaag acaattatag 360
 ttgctgtttg aatacctcac ccaactcaagt gtatcacaca attatggctn ttctctaattg 420
 aaacactctn gccttttacc actctaattc cncttgagtt ct 462

<210> 36196
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36196

ttttnattac gctgggcctt tgtatgntcg agatnctcta nagnagacca cgcggcaggc 60
 atgctgactt gaaggctgtg aacaccacca tcaactacttt agaacactgc ngacangnccg 120
 acngagagag ggatattcnc tccctctgca actggaggcg ctacttgagc tgccatatat 180
 ctccatcttt gggcgtatgc tcagaaagat ccgtagccctc tctttgcaca tggtctataa 240
 gggcatgcta tccgatgcca ttatactgac acagcctagc gaacgcaacc attacgtcct 300
 tccaagactg gactcgggaa ggttccaagt gagtgtacca ggtaacagct accacagtat 360
 gactgtcttg gaagtattgt atcagcaatt cctcattctn tgtgatgcc ccatcttccg 420
 acaatacatc tttagatggg tcttggagca agttagtcca ttgacgtcgc aacgtcaaca 480
 ccttgaactt gggaaggggtg atgatatcgg atactaagaa cgactcttct aggttagcag 540
 atgcn 545

<210> 36197
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36197

ggacagagat acaganatta tttgagctag atttccatat gttcaagaat tgcactgtgc 60
 attgagtcgc aatgtacaag gttcactctg agtactcata tcccaataga agttagcaca 120
 ctaatctaga agattaggat aagatttacc aatggatcat gctctaagct tcttctacaa 180

gtccatttaa actccaaaac tcaccaaagt agtcattct tctccattt tcacaagctg 240
 gtcaagagga aaggagacaa catttccact cctttttaaa gcttttccaa gtgttcttga 300
 gcccttcttc catcaagctt aggtaaatga cctccatttt cacttctaag cttgattntt 360
 acttcattac cttgctctat tctcactcgt agtttcttat cttatttttg cactattgaa 420
 ggtagaaaac tagaacctaa actccttcat tcttcttctt aaa 463

<210> 36198
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36198

agctnttgag tgcgatctat aaagcanata gatgtctata ggctttgtag aagttaagca 60
 ctgcaagaca gcattggcat agcaactgca ataataaaga gattaaaaaa aattaatgat 120
 tcagaatata ccaagaaagg aaccatatat agatttttgc aaaagtttat cttcaagtga 180
 atcanggctc attnttacat attcaagtta gatgagaagt ttgaaaacaa aaggtaaagt 240
 gagaaagttc acataagtaa ccttgaaagg gggaaacctt ccctccccc an aacttttgct 300
 gacataacaa taataataat aatctagttg ttgaataagg tacagcacca cttgacaaat 360
 gacaaaagtt aatatctatt attaaatgat taaatctata tattcaacat ttctttctta 420
 tcacaatcgt agtgttttta tggtagtatt acctgttccc acaa 464

<210> 36199
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36199

cgcttaaagg tactttcata cacagtaa ataatgaggaa gaattcttct agagaaaata 60
 agttatgtat tataatgtaa aattatttta cattaatatt caattataaa ttaacatata 120
 tgataaattt gttgatattt ataataacta ccttgaaaat cgtaataata acgatatttt 180
 attagtttag tataaaatta ttttaatttg tcatgactat taaattcttt aaatatttaa 240
 tataaccacta ttttcataat gaatgatatt atgggtgatca gtgttatgaa caattttaat 300

aaatgtaa at gtaattcct tgccttaac ttcaataact tacaaattnt ataaatgtca 360
 ttgttttatt tgaataatat aacatttgaa ttaacataaa ggtcaaagga tgatcgtcta 420
 tttagcttaa t 431

<210> 36200
 <211> 299
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36200

gtgggcctgg tggctatttg cacccttatt ataactaaat atacccctt gctctttatt 60
 aggtgaatgt tttcgtaacg ttacgaaact atacgaattt cataacgatg ctcgatgct 120
 ttctgtaatg ttacgaaacc ttacggatta cgtaatcatc cgttttttgc ctttcggaac 180
 gtcacacaac tttatggatt ggcactaac acttcctttt aatttctggc atgtcatgga 240
 acttcacgga ttgtgtacc atgttttctt tngacttccg gcatgtcacg gaacttcac 299

<210> 36201
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 36201

tctacgacca cgacatggca aattgggggg taccttactt tattactggt aaattttgtg 60
 ttcgtaatat gttacattgg attatgatgt aaacatgttt ttatggtatg ttaaccta at 120
 tttttttgta gtgctggatc tatgagcatt ttttgagtat gcatcagttt gtcacgatg 180
 atgcgtatga ggagacgtcc cctcgtgct cccggtggct gatgacgaag gctcatatga 240
 agggaattac aggagcgtcg taccgggcac attgtgattc tttaacgatc acaaacgtgt 300
 gttggttgcc ttacagtgc catcgagggg ttaggggatt tgagctgatt tcatcattcc 360
 aggggtcaact gagatggggc cctatgggtg tcacagttcg atcggaagg gtgctatgcc 420
 agtttggg 428

<210> 36202
 <211> 469
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36202

agcttaatga gtttcttggtg tggctctcttg attaaattga tgcattgttta aaaaagtatc 60
atgtcccaga cgaaagtatt tctctattca gtgttttctg cagatatggn gaacgggatg 120
actcanaatc cataatgaca gattgctcct cttcagtatc atctggtctg gactcagatt 180
ggtgttggtta tatcaagttg agaatgaaag aaaaaggact aatcctatta gtagtcatca 240
gatagatgaa ctatgttttg atgaatcggt gcgatttgag acattaaatc aagtagttga 300
ggctgcgcca gattcctcta cccttgccaa aacctttgat tntgttatgt caaaagatgc 360
tggaagatcc agtgacttag canacgcaag tntgtccatg agtgagtttt cggtcanaag 420
ccagcaccgg tgcgctacaa tgagaaacct tctggagtct cttatcaca 469

<210> 36203

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36203

tgaagagaat gcaagagaga ggataaggaa acctattatt ttaacatgga aagaaataaa 60
ggagtttata aggaagatat tottaccacc ttattatgag aaatatgttt atgataggct 120
acaaaacctc aaaaaggta gcaaaagtct tgaagaatac cataaagaga tgataatgac 180
cattaggaaa gccaatgtac aagagcctaa aacttcata acaagggtcc tatgtgggct 240
taataaagac attcgatgca ttgtgaagtt acaacactat aagagcttgg aggatatggt 300
gcatcaagcc aagaaagtgg aaagacgact tgagaggaag cattcctaca agaagaccta 360
tcaccatgac ttttccctg gtaaggacaa gtctaagaaa tagggatctt ccncacctgt 420
aacat 425

<210> 36204

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36204

catgcaagct tgcacatggt tatgtatgga ttcttctctt ttttgtggaa gaacacaaga 60
atcaanggca tttgcttcta aggggtgata cattatctcc tagccaaatt gatgccattt 120
ctggagttct gcttctgggt agagtaatga ctatggcttt tccttggtat ttataagata 180
aactagcttg gttttctata tacttgggat agtaattagt aaacataatt atgattatga 240
aattccattt ctcattatgt tgatgatgaa atgcaatgat ttcgttgagt tagttattga 300
ctcttgaaca tggtctggta ggataaagat ttcatgccct cttagtgcg gtgctcctac 360
atgtgatgct ggccatgctt ttggaatggt ggttggtatt agtctcatta gttgaagta 419

<210> 36205
<211> 416
<212> DNA
<213> Glycine max

<400> 36205
tgaatctgaa gctgaactat cgggtctgaa aatcaatttt gctaagagta gattcggagc 60
tttcaggatg tctgatcaat ggaagcatga tgcagcaaag tacttgaact gcagctgctt 120
aactcttctt tttgtgtatc ttggcatacc tataggggct attaattgcaa caaaatgggtg 180
agctgtggac cagagttttg aattccaaat atgggtggatg gaggaacctt gaagaaacag 240
gaaattcagc aaaacaatgt gtttgggtgga gggatgtaaa acaagctttc aatcaatctc 300
aacagggact ggttattcaa aataacatga ggtggaagat gggggatgga gagaaagtta 360
cattctggac agataagtgg attaatacaag aggagtcgct agcagatagg taccct 416

<210> 36206
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36206

nngtctcaag tctgtgtgtg aatgatgtgc gatcctaaat tagtgaaatt aagaaggaag 60
aattagtgcc tagaanaaat gccactcacc aattcttaac ctcggttttg aagatctcct 120
gggtgaaagg gaagtgggaa tttcttttaa ggtccagaag accctcttc acttcaaaaa 180
gggtcttgca catgattgat taggtatgtc ttccctgact atgttttcat gtggtctaca 240

catgctagca ttgcaagaat ttcaaaggca tactagaatg gttttctagt cggctaagga 300
 ggttcttttag ctctattcca gagacctngg tggggctatc tctttttggg ggaacagatg 360
 atggattatg aagatcttct gatactcatt acgaataaga atattttaga aact 414

<210> 36207
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36207

tgtagaatgg ctagacatga tacatgtcag ggcttggttt ggttcattga taaaagggat 60
 gcccacatt atttccatga cacaaatgca aaaaatgatg atttggaaac tttatgcaaa 120
 actgggtcatg catgcaccta tgcggaact caaatgtcaa atttttatgg tcatgtgatg 180
 ctagggtcga ggattcattt cctctatttt aatcaacca atgtttccaa aatatgttct 240
 tttatcaatt tgtgcattca tccgagtcca tttcgggcgt ctgggaaaat cttcacagca 300
 ttcacccttc aggtgtatac acattttttt caaaaactag ttatgatcag tgaatttttc 360
 caaagaanag ttggaagtca tctcttttca aaagcatgtt ggtttttcag tntgaaaact 420
 tatttttctt ttttctcctt cttctttt 448

<210> 36208
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36208

cttcattatt aagcttctaa cacacttcag acatcttctt aaagatccca accgtcagat 60
 cttggaaaat tggtttgcca aagtggagac ccaattttaa aaagaacca ccggttatgg 120
 aggggtggcc agtggtttta cccgaggaac ttcatggtac tttctctaaa agcctcatta 180
 gaagcctcct tagaaccttc tctagaagct tctcgtggct tctttgagaa gctttctcaa 240
 gaagctcttt gagaagctac atccttatct atccaccct ctattaacta aattaacttc 300
 ctttaaaata attacggatg aaaataacgc aacanataat caaacatcaa acataattac 360
 taataatata tagatatata tatcagggtg ttacatggag catctcgata tgttacggga 420

ctcaactgga catncgtgta taaagtattg gn

452

<210> 36209
<211> 433
<212> DNA
<213> Glycine max

<400> 36209

tctagtctca attgtgaggg tctcgatata ttacccggtt cattcggaca tccaagtaaa 60
aagttattgt tggctgaatt tctatgagc ttcggttttc aatttgtagc gtctcgatat 120
attacaggac tcaaccggac atccgtgtat aaagttattg tcatttcaat tttctcagag 180
cttcggatct aaattttgag cgtctcgata tatgacggga ctcaatcaga catccgagtc 240
aaaagttatt gtcgtttgaa tttgatacga gcttccgttt tcaatttgga gcatccctcg 300
ataaattaca acactctgtc gggcatccga gtaaaaagtt attgttggtt gaattttcta 360
acacgtttcg ttttcaattt ggagcgtctc gatatattac gggactcaac cggacatccg 420
tgtatacagt tat 433

<210> 36210
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36210

cacttgagga aagaggaana anatattcca atttcacgca nacgacacac cgcgagggag 60
gggggaagag acagaaggga caacaccccc cccgagcaga acaccgcaaa agaaaaaaag 120
agaggaacgg caaccgaaga cgcaaacaga caacgcaacc agaagcgagg gggaaggacg 180
acgaacgccg cgaaggcgga agaggcccg aagcagagga gaagncgagc gcaacgaaaa 240
agggacacgc gagaaacgca gacggcgcg aaacgaaaaa acaacgaaca cggagcgaca 300
caaaaaaac ggcgacaggg cgcgcaacac cggaggacgg cgccgaacga ggacgagagc 360
acagccagcc agcacggacg caagagacac ggaacgagga gacacggagc gaacagaaca 420
cc 422

<210> 36211
<211> 438

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36211

cgcggaagaa tgacacgata gtttcttccg gagagtgggt ggggggctna annccncaca 60
 nccggcgggg acattatagc acaaaatgat catttcgaaa ctttatgtca cactggacat 120
 gcatgcaccc atgcctacac tccgatgtct aatcttatag gtcatgcgac gcaatgcctc 180
 acgattcaca gccccatctt aaaccaaccc catgttatca aaatctgttc ttatatcaat 240
 ttgtgccttt atcctagtac cattagggcg tccgggaaaa tctcacagca ctaaccctcc 300
 acgggggtcac aactacttcc catcaactac tcgtgaatcg cgatctttgc aaagaaacgc 360
 tcggcgctact ctcttttcta acacacagcc gcttctctga ccgaagacac atctttcact 420
 ctccccact ttactcat 438

<210> 36212
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36212

agcttctaaa ctntgacaag aatgaagctc tgataccact tgttagacaa gtggcctcag 60
 atatcttaag aagggggggg ttgaattaag atattcgaaa ctttntcttc taattaaaaa 120
 tctatcttac tttntactta agttatgaat tcccttanag acaatcttct tanatattaa 180
 ttcanatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tntatactgg gtcggccaca cccttgtgcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta acttggaat tccttntaca agttctaaac 360
 acacaaggac aacccttcct ttgtggtaga gattctnaca acaagagact cacagtctct 420
 taatccctta gagaatgaga agaagaagag gaacanatct ctcttgaaag agat 474

<210> 36213
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 36213
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 tctccaggta ccactctgtg gtcaacgaat aaaagcagga agtttcaccc ttctacactt 120
 cctcttttca agcttgtagg attatggggg acccatcaca tgtgggtacta ggtggcggtc 180
 gggcgatggg gcacaacaag tttttccaca tccacaaatc gcgcataaac ccaccatccc 240
 ctggttgccca cctccaactg agctcacgta gcccatatcc tcgtttctct caacaccgag 300
 tccccatcaa tcttccaag ctcccccaac atccaagtaa ttcaacattc aaacagcaca 360
 aactatcaca gccaaagaaa cagggcaaag gcagaaaact ctgcctaaaa caccaaccaa 420
 aatcacagct tttcccactt a 441

<210> 36214
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36214

ttctctttga gtggacatth ggatatggat atatggatat ggggtggtgc cattctaagc 60
 ccctatattt tccttaggtc cttatggctt cttcttgtag gattaaaaga agtgthttta 120
 aggtcgggtac ctttcttcag tgcataaacc tctattttat tggattacaa gcatgatcat 180
 aatcgataca caagtgtttg tagctggtag agaagthttt tgtatcgatt taatctatta 240
 caagctaatt gtaatcgatt acatagttcg gntgagacaa tgggtgggtt tcaggagtct 300
 gctntaatcg attatcagat gatcatnnat cgatactttg ctcttttaaag tgtcccagaa 360
 gtgatcaata acactthttat cgattganat gattatatan tcgatcactt cthtttgaat 420
 atcgattaca ttgggatatt aaatcantat aggtgggtt 459

<210> 36215
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 36215
 acactcatag aaactcaagc ttctacttat gtttgtgagc ttcattgtaat tacaactgca 60
 atattcaagt ggcaccacta cthtttgggt catcctttca tcacctgac tgatcaccaa 120

agcttgaagg acttaatgac ccaagtcatt caaacacggg aacaacaagt ctatctttca 180
 aagctactcg ggtatgatta taccattcaa tataaatcag ggtcttccaa tatgggttgca 240
 aatgctttat taaggatacc ggcaacacgg accttgtaac tattactctc catccccaat 300
 tctcttttta tggaacaatt tcgtcaagca tgtcaggcga attcctcata tcaggaactt 360
 ttccaccaga tacatctgca ccccgaaagt caccacagct tcactattaa ataggacctc 420
 cttttcttca atgataagaa ttgggttctt tccagccatg atttcactaa tttactcatg 480
 gac 483

<210> 36216
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36216

agcttgagca cctccttctt tacctcttcc ttcattgttg ggttcagcct tctctgaagt 60
 tgtcggactg gcctgtagtc ttcttccatc attatcttgt gcatgcagta agcagggcta 120
 atacctttta gatccgatat atgccacca attgcttctt tgtgtttctt cagaatttct 180
 actaacttgt tttcttcatc ggatgtgagt gtattgctga tcaccataag cttactctca 240
 tcttcttcta ngaacacatg cttcagatgg gtgggaaata tcttcaattc taccttcttc 300
 ttcttagatg gagtcttgct ctttagttcc tcanaactgg cctcctctc anggatgtta 360
 tcttgctgat ccaagtcttc taagcaagcc ttgagatctt cttcttcttc attgggtaag 420
 caatctatcg cattcaccat 440

<210> 36217
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36217

tcagcacttc tgtagggttt cagggtttc catcagctct gtattaatct gccatatact 60
 cagccggtat taggcctcat gagctttctc atattcagct gcttactgga tttagcttgg 120
 gtggcttccc ttttagatac ttgggtgttc cctttttatc atctagatta aatgtatatc 180

actatgctcc cttgctttcc aagattactg gcctgattca gggatggagc aggaagtctt 240
 tatcttatgc aggtaagcta gagttgatca gagcagttat tcaaggaatt gtgaatttct 300
 ggatggggat ttttcctttg cctcaatctg ttctggaccg gatcaaggct tcatgccgta 360
 attntctgtg gggcaaagcg gatattggca aanacaagcc cttggttgct tggtcagtag 420
 tttgttctcc gaaaa 435

<210> 36218
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36218

acggggnaga tgccgtgcna ctgcgatgnt ctngangatc ttnaanagac cagcctgcat 60
 gcatgctagc tcattgtaac tcgacattaa acatcattat tgtttactaa gatgagactn 120
 cgaattgaga cgtgtaatgt gagtggttggg gcctattata ttcacaatac taattcctca 180
 aatttaaaaa atgatattac ttgtcgactt aagttatggt attatcgcta aacatctcaa 240
 ttacaatgtg tgagattaat cgaatgtgat ctcgctacttg tgatgtgcaa tatataatca 300
 catcttaaca attaagacac aattgaattg attaaatgcg aacatcagaa caaactacac 360
 taatcatcct tgagattcct gaaactacca tttttatcgg ctctctatct ctaactaatc 420
 ttgcttaatt gtgtgaaaaa tattacacgg agataaagct gctattgatg ttaaaaaata 480
 tgacgagtta tgtaatctcc aatgttttac aaatattagt gcaatcaagt aaaataaagt 540
 tgcaaattat tatcaatccn 560

<210> 36219
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 36219

taaagataaa ctaagaataa tgataaatat atgattagat attcgatcag tattattagc 60
 ctagctaadc agtttgtatt tgatagaata tattatcaga atataagata agatattcta 120
 tcattattct tagtttatct ttaagcttgt aatcctttat ataagctaata gatgcttaac 180

gaaaggggag agaaaaatat tttttccctc atcccttgag ctaggttttg gggttgagtt 240
 aggtctctca cattatacgt tagagcctta gcgcctttct ttggctttcg cacataggcc 300
 ctagegccat tcagccctt tctttttctt ctccatcatc atgtctcact caaactctat 360
 ctttcacact gcttttggtg tctccaacat caataatcat atcccaatca ttcttgagat 420
 gaaaaatatc caatacgtga catggac 447

<210> 36220
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 36220

actttggcat atacaatgac tccagtttca accacattga ggctgctgtc ttttctcttg 60
 caacttctct taaagcttta tctccaaaga tataatgaat gcacttctgg ctttatcaat 120
 catctctgat ttctcctttg agcttagaga ttcagacata ctttcttctc ctttaagagc 180
 ttctgcacaa ccatgatgaa tcaagaatgc tttcatcgtg attctccata acccaacagc 240
 attttccctt gagaactctc tatatcgtac tatgtgtccc atctttcttg atctgacctt 300
 tcccacaacg acgccacttg tggcttagta t 331

<210> 36221
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36221

tcgacataat ctacaagctt cgtatggtct gaaacaggta taatggcatg gtataaggaa 60
 attgacgggt atcttctaaa aagaaggttt taagaagagt gaaaatgaag tcacttttga 120
 tgtgaagtga taaaaaaatg aagtgcact cattgtttct ttatatgttg atgatttatt 180
 ttttatatat agggatatcaa attccttaaa ccaaatcaag aatgatatat atgaagaaat 240
 ttgaaattat agatttggca aaaatgaaat ttggaatgga gatctcacta ctagaaaatt 300
 ggcgttttac gacacagaca ctacgacgat tattgnggaa ccgccttana aagatgtgcg 360
 gtggcttttt tgtaattatt tgaacaatat taggatttta cgatattaaa ttttaagacgg 420
 ttattaaa 428

<210> 36222
 <211> 308
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36222

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 tcggccattc agagcgttgc agagaaagag agaagggttg gatctacggt ctgacagagg 120
 aataattgtc agagagagag ggagaaagca ttgctggacaa acaagagtga ataggcagac 180
 ggaagtgaag aattagtgcc acgttggata gtccacgtga cactaanact accaacaatg 240
 cacctcatta atggtgttac ttacaaaatt aacagaatga ttatattgcc aaacttatgc 300
 aatgatta 308

<210> 36223
 <211> 427
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 36223

 tgtcatactt tgtccaanaa agagaaaatc agtttttgcc tgtgtctgcg ccgggttaaa 60
 gtcctacaag gatactcttc aaatatataag agccttgtgc agttgaagaa gcttaaccta 120
 gtgggggttaa agtctcatga ttgtcacatg ttgatgcaac aattgttagc cgtggccata 180
 cgagacattt tgctaacaa agtcagggtta gccataactc gcctgtgctt tttcttcaat 240
 gccatgtgta gcaaagtcct tgatcctgtc aagtttgatg acctggaaaa caaggctaca 300
 attatactgt gccagttgga gatgtatttt cctcctgctt tctttgacat catggtccac 360
 ttaattgttt aactggtcag agaaatcaaa tgttgtggtc ctgtatatct gtgctagatg 420
 taccggt 427

<210> 36224
 <211> 454
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 36224

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aatgttgact taagtttttc ttttgatcgt tctaccaatg cttgtcttta tttcattatg 120

actcatatga aggcgacaac cactgccttg ggtgcagaac acaatgtctt tcttctatatt 180

cggttctgta agtattgtat atgttcttct tcaaagggtta ttgtttttga atatcccccc 240

catgtcactc tactcaaata ggatgaccct aaagccatat gagtgcattt cttggtgtct 300

ctctacagat ctattttttt cctcttagac agaataagga ctaagcataa tcattaatat 360

ctattatcct atgtttgcga ctgagcaacc aatatcaact anatcacttg atcatcatgc 420

taaacacctt actgtagggtg aatctcttcg gatc 454

<210> 36225

<211> 423

<212> DNA

<213> Glycine max

<400> 36225

tgtagcagcg gatttctttc ttctcttcac attcttatga attctcagta gtgtccagat 60

tctcattttt cggttactca acgtgcgttc acataaatgc accatgcaag tggttgtgaa 120

cggctcttcag tatttataat ggcacaccaa tgctttcatg ccaattgcaa aatcatggaa 180

atattttttt taaatatggt tggctctcta aaatttgaaa aatatatggt aacctctata 240

aaagtaaaac atattttttgc tgattcttat ttgtaacttt gttagacaat tttctattat 300

attgactaac acatttaggt attttctctc tctacatcct caaacacatt cacatgatat 360

caaaattcat cattgtttca ttttttctct aatctcatta aaaagtgcga aaaatttaac 420

tat 423

<210> 36226

<211> 216

<212> DNA

<213> Glycine max

<400> 36226

tatgccgtaa caaacctaa ctactttgga gctactccct gattaaatgc tttgatgttt 60

gaacttattt gaagtttggt aagtatcgac taagcataga atctggacac agtcactact 120

ccacagttgg gcgtttgctt gcaattgaca ctggtggcct ttgtacctca gaggaagcat 180
 aaaatggatg agcgttcata agaaacaaat tgtctt 216

<210> 36227
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 36227

tcattgagaa gcaagtgtta caccctctca atagctaagc tcacccttat gccaaaatac 60
 atgaaggaag aaagcttcct tgagaagctt tcttgggaag caagtgttac accctccaa 120
 tagctaagct tagcccatg ggaacacatg cccctccaat agctaagctc ccccccccc 180
 gccccccaca ccaaaatata taaaaatata aaaaaaaaaa tcctactaca aagactacta 240
 ataatgccct aaaatataag gctaaaacc tatactacta gggtagcctt aacttgtacc 300
 ctttaattgt aggtaccct acaaacctaa aatggccaaa atacaaggcc caaagaagg 360
 aaaatctatt ctaatattha caaagaaaag tgggttcata cttaacctat gggcccaaaa 420
 tctaccc 427

<210> 36228
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36228

aaaccatgga aggcaaaatt ggattggatt atggcagata taaaattagt taaacaaacc 60
 tgccaattag gggttntgag gatttttgca aattcctccc ttgtttctgg atcaaggcca 120
 tacttgacta taggatcaga tatttgctga ccttcattgt cagcaaagac aaattttgaa 180
 gtcaatgaag acttaaatng cctccatctt gctgcaactg ttgacatcac cttctttttt 240
 gcattctcac cttcagggat atcaaatntg cgtgcataa canaagggtgt tatgtaacag 300
 taggtaaatg aatcctttan aagtaactta acaacaaaat caagaatgga agtgtattta 360
 gaatgactta ccanaatatc tttccatatt aagctcttta gatcgtcngn gacaacat 418

<210> 36229
 <211> 446

<212> DNA
<213> Glycine max

<400> 36229

taaccaattc aggataaata ggcaattgta atgacataaa atgattatga cctaagttct 60
gaaaggcttg aatgcaatca aaggtttcat cagaaaagaa ttccatatca ataaacttag 120
ggtcgataat ggaacgagat gagaaaagat tggagtaccg tttctgctgt tcgtcggaag 180
aaaacaatgg ggaagaggac aatgaggatg gaattggtgc tgtggatgcg ctagtggctc 240
cggaacgatg agcacttgaa gccgaagcgg aggcggaaga accctttcgt ttctttgacg 300
attctgccat ttgaaggagt ctttgcagat ttcaatcggg gaaatcaaaa gaaaaatgaa 360
aaagaagaag attgcaatth acgggagttg atttgatgaa gaaattagta agatacgaag 420
gtttggaggt ttgggaatgg aggaac 446

<210> 36230
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36230

caagcttggt ccattttcct gactcaccat anaccttgac ccagggtgag aatgccaatc 60
cttaccctcg gaagcanaca ataggagaga gagagagaga gatgagaagg agaatttccg 120
atcaaaggat aaaggagaag gataatttcc aatcaaagga taaaggaaag gaaattccca 180
atcaaagagt gggggaaaagc acaaagataa gaatgagaat tcccaatcaa agaatgggag 240
agagaacaaa agagagatgt aaaaaagaag atatctcctg gtcagagata ccagatgata 300
tgtgccgaga ggtccttgga ccagacaata tctgaacaat acagaattgt caccaaata 360
a 361

<210> 36231
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36231

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gggaagattt tctccaagaa caccctctta aggtcatccc agctgaaaac ggacctggga 120
gcaaggtagt atatccaatc ttttgtcact ccctccagag aatgaggaaa agccttttaga 180
aagatatgat cttcttggac atcaaggggc ttcattggtg aacaaaaaat atggaactcc 240
ttaagatgct tatgaggatc ttcacctgca agaccatgaa actttggcag caaatgtatt 300
actccagtct tgagaacata tgaaacaccc tcattcatgat attgaatgca caagctttca 360
taagtgaaat caggtgtagc catctcccta agagtcctct tacgaggtgg aggttgagcc 420
atgtttctcag tatgaaaa 438

<210> 36232
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36232

ngatcttttt gtaacgacac gcacacgcaa agggagagag aagcaaagag cagaccccc 60
acagcngcca cncggaacna gacacatact cccctatgg gcaacagcaa gaaatgcggc 120
gcgacacaaga acgagaacca ccatccaaca gagagggact cggcagacct cgaccatcca 180
acgctcagaa cgcgacgggc gaagtagaca ctccgacct gaacctgat aagaccacaa 240
acagccgggg cacacagaac aaaacagtcg acacgaggca caaccacgac cgcggaccaa 300
cgtgaaaaca agccggacca aaaagcagca gcgacgaaac accgcgcggc aggaaactaa 360
aggagggacc cgcaaacact agcctgatag agaccagacc agcagaagca tggcacagac 420
acgcgggaag ccccg 435

<210> 36233
<211> 314
<212> DNA
<213> Glycine max
<400> 36233

ggagtgtctca gggcgagggc agagaaccag aagagactct ctcttcatga cacggtggag 60
caacacgacc gatggggcgc tttatagcgc aacatacatc ttctaaattc atcacgaaat 120
gagaccgcca ataacacagc gacacccgag tgtgaagact aatattgccc tagaccatgc 180

cgaactggcg cacatatata caacagctca aatgtggcct tgtgctacat aacaccatgc 240
 ctcacacatt cccgtatgaa taaccgaacg atggatgatg caatccatgc tctggtgctg 300
 ccttaactga tagc 314

<210> 36234
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36234

nggcgttgctc attcttttta gnacgncaan nnacncagac acgcggagct ctnagncgac 60
 cgcaggctgg cagcangtat cttattctag aagnnnnaaa cgnengagag gggcctagag 120
 aaacnggcaa ccaacaccca aagccgggaa nggagnacaa cnggggggga ancganaacc 180
 aacaggagaa tncanacnnc aagncggaag agacacaccg ctgcagaaag aactgagcaa 240
 ncgagnacaa cagccaggca ancgacaacc aaaaaggaat cancgaaaat aactcccaag 300
 agtcacaact gtgcanatth tatttgaatg gtcactcagt gctataaat caattaccag 360
 acatgaaaat tcaaatatca agtctgaaga gtcacaactc tttagagact atttgtgtaa 420
 tcgattcacc aattatgtaa tcgattacca gtacggaatt ttcgaaaata actcacaaga 480
 gtcacagcta tgcaagaagt tgtgaatggc atcactgcct ataatcg 527

<210> 36235
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 36235

agtgtcggct tgtggggcca cactggaatc cgcttcaatg gttcctcttt ctagaccact 60
 tcgcggggag ctggttcgta gccaatctta ggttgctcc tactagcact tctttaacgt 120
 cttgagccga acgcgtgatg acttgctcgt caggggcta gtacttttgc ttaccttagg 180
 ctttgactt ggtgcctgc tggtcggcca tgggtcgtag gcaacgctcc agcctttgta 240
 gatgatctga ggggcttttg aggtggtggc ggtgtgtatg ttgcccgtg ccggtcatac 300
 cctagctgct gaggtgtttc gcctgcgcc tgtcttctgg cacagtactc tctgatgaaa 360
 gc 362

<210> 36236
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36236

gtcgtcttcg caagacacag acgatggcgt catgtatatg ggccatagcc ctagatcacc 60
 gctgtacaga cagagccaac aacactacaa tacagcatgc ggtggctcat gtctaagcgg 120
 aacaagaggc cacatgaaag atcatgaact catttcacat gatgcgacca tgctgacgga 180
 gcgggtctgtc tcaccctgat ctggacttga gatcttcacg attgcgtcta acggacacga 240
 gacgcnaaca gcgattttctc acaatataga ttctggaccc ccgctattga acgtttggtc 300
 actcacgcgc cactgaagta catcaagatg ctgaaaggca tacgaatgat agatgaccta 360
 cctaattgga atcaatagac cctgggttacc aaagaactga caatgacg 408

<210> 36237
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 36237

tgagctctat cacctgcact gtgctctctg atttcagaca catatcctgt ctgaccctcg 60
 cctgacgagc agcctgtctt catctacgtc actcgctta tcgaccacca catggctggc 120
 tgcggggccac tctaattgtat ttccatcaaa ccgtgccagc aatcgcgggc tgacaccaat 180
 atcttgaatg accat 195

<210> 36238
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36238

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 ttntctatct tcagattgag aatgcctcta acagcacctt tgtcaatgat tntcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac tttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300
 gtgaagttta cattgaatcc ttcacacac aactgactga tgctgatcaa gtntgcagtc 360
 agtcccttca ccagcagtag tttgttcaga ctangaagtc catcatggac tagctntccc 420
 attccagtga tctt 434

<210> 36239
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36239

ttgagccaaa atcttgactc accatagacc ttgaccagc gttataatgt caatccttac 60
 cctcgaaagc aaaaaagaaa agaaggaaaa tttccaatca aagagaaagc aaaaagaaaa 120
 gagggaaaat ttacaatcaa agagaaagca aaaagaaaag aaaattccca atcaaagaat 180
 gggagaaagt aaaaaaggaa gaagaagaag gaaagaaatc tcctgatcaa ggatcgaaag 240
 aaaacagaag aaatgtgcag aaaggtcttt ggaccggaca atatctgaac aatacagaat 300
 tgtcaccaaa ggaacgaaaa gaaggaaagg aaaccatgac ctanagtggg catctccctt 360
 taattgccaa ccaaaatctt gtgtgctagc gactttttcg ccccgacta naccaaaaca 420
 gttaaaggaaa taatccataa aagggcataa aaaaagaa 458

<210> 36240
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36240

agcttgatg atgcttcatt ggaggaaaag aaagagggag ataaagatag aggtgggagc 60
 acgaaattga aggaataana gagggagaga agtggaactt tgatgaatga gagtgatgca 120
 agctccattg gagcttgat gcctangatc ttcttcatca gtggattcct ttgcttcttg 180
 gaagataaat ggccgaggaa tggagaagga agagagagag gagacgccgc ttcaatgaga 240
 agataagtct agaagaagct caccaccata cgaggccatg gataagagct tggaggacga 300

ccgaaccaga ccgaa

495

<210> 36243
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36243

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 cattgnttat gtaattgtat gcattatgcg atataatttg ttgtaaccca ttactaacca 120
 attaataatta tcaagtactc gtttggttaa gcaaggaaat tgttggtcca acaaaaatca 180
 tttacacgtg cagcatacat cattgtcata attgacaaca cataatgaca tgcattgctga 240
 ttacagtttg agcgcgacaa cacattggct gacttgacta cacattggcg acaatacatt 300
 gggttgacttg actacacatt tacgcgtgct tatttttatg taaacaaagt taaacaaatg 360
 ctcggtcaca accatctata tatatggcag actacgctac taaatcacat attatctagc 420
 tttcaaataa tc 432

<210> 36244
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36244

acccatataa tngctaagct caccgcgtgc caaaatacat gaaaatataa aaaaagtacc 60
 tactacaaag actacttata atgccctgat atacaaggct aanatcctat actactagaa 120
 tggccaaaat acaatgccca taagaaagac naacctattc taatgtttac aaagaaaagt 180
 ggaccaacc ttggcccatg ggctcagaaa tctatcctga gggttcattgaa gacccaggg 240
 cttcttttag caactctagc ccaatcctcc tggagtcttc tatccaatac cgcttggggg 300
 taggatngca tcatccctc caccttgnnn aaggatttac ctcanatccc gaggttttca 360
 tactctcaat ccttctcac acct 384

<210> 36245
 <211> 429

<212> DNA
<213> Glycine max

<400> 36245

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tttgctatgt gaagatctgc agagacgaga gctcgaagcg gaagctgttc tgagagcttg 120
agatgagttt gtgagtgatt gtgagatcct agagggtgaag gagacatcct caccacttgt 180
atTTTTgcaa tctttcatct tattcttctc tatgttgtaa aggaggtttc cagactatgg 240
aaagctaaat cctctgttgg atcttcctta taggtacttg atgtaaatat atttctatct 300
atgtaatgat gttttgtgca ttctctgtgc tatctgcttt tcattccagt atgcctttac 360
cttgatcacg tagatgcatg ctttgttagg gtcattcaac agggaaactg gtttgattct 420
aaagtcctt 429

<210> 36246
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36246

agctttgatt aaaacaatta tctaatacatt acaatgcatt caaattatac aatagctcat 60
tcaaatacatt cgtagacact catttcatac aaaacaatcc actgcatatc attttcaacc 120
aattcactgt tcaagcaagc tttttgtaca agcaatcaac tcaaagtact gaaatttaaa 180
gaactaaaac atanacacta naattttaat gaatgaacat caatcataaa ataaatgaaa 240
ataactaana tgttcanaat gcacaaattt aaatgtcctg ctctgtggt tgctcatgtg 300
catgctcatt gagatccaac acctgagtag ctggtgaatc ctgagggata ggctgctcta 360
gctcagatgc tagtgcanat ggtatgacat catcangtat ggggtactgag gatggctctg 420
ggatctggtc tctggaagtc 440

<210> 36247
<211> 425
<212> DNA
<213> Glycine max

<400> 36247

tgaataccct gtatctaacc tttattcaat cttgttcctt ttagaccaag gatttcagta 60
acctcattgg agaagaaacc taacttccca atgggtcagt gttcaatggt agtatgatca 120
gttaagcctg ttctctgata acttaaatac atctccagct caaattgatg aaaaaccaag 180
catgacaaag accatagaca ttaagggggg aaaacagaaa aggctgagaa gttaaact 240
actgcaacaa agagcattgg cagttacagg tatgggatgg atagtccaaa caatagcaga 300
ctatagtata attggctttt ctaactagct caatctctct cattttgaag atattaagct 360
aggggaattca ataccaaaaa tatttcagtg tccagtgaat agacattttc tottaacaca 420
tcatg 425

<210> 36248
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36248

agttatcata acttcggana canaactnnn gggcgctgcy agtggaatn ctatagagaa 60
caaacgcgtg ctatcttttc ttcttctctc ctcttgccaa aagattaaaa tgactaaccg 120
cctgagaatt ctgttgatgc ttcttctctc ctcttgccag aagaattcca ggactaaccg 180
tctgagaatt cttttgatgc ttcttctctc ctttgaacaa aagatttcaa aggactaacc 240
gcctgagata tcttttgttg ccattacaa agattcaagg gactaaccgc ctaagaattc 300
tttgtcttaa cacattggag cgtacatcct ttgctgtaca agtagagcgt acatctactt 360
ngttgtaat acagagaata agagacggta catctcttgt ggtcagttca agggagtgc 420
atccactggg ttcaagagac 440

<210> 36249
<211> 421
<212> DNA
<213> Glycine max
<400> 36249

gtcatcaaga agtactacgc ccacaggcag gcgcatggcg taacaccaca acagcctggg 60
gatggccagc aacatgcaac aaatgcaccg tcgccacctc cagagcccct cagctcatcc 120
ataaaaaggt tagagtattg cctacgacac atggccgacc aataggcgac caagtccaaa 180

gccaaaggta agcaaagtac taggtccgtg accgacaagt catcaggcgt ccagctcaag 240
acgttaaaga agcgctacta ggaggcaacc ttgtaacttt taaatttctg cttgttattt 300
gatcaccttt tgtttctcaa gtcatagtag gacacaccta gttgctcatg atcctaggaa 360
tttaaataaa acgagcacaa gtcggggagg tagtcatacc tcacaaaata tatatatgta 420
t 421

<210> 36250
<211> 526
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36250

aaaanattgt aggtacgtan ctcgggcgaa ttcagctcgn accccgagga tctntagaag 60
cgaactggca gcgtgccagc tcttctatan tattctatat gtgcccggaa nggcccacga 120
tgngggttca gcgcatttat tctcggtttg gttacctttt atacccctc ttgacgtgcc 180
taagccgggt tacctaagac ggttctcgcc taacctaaaa ataaaataaa tttccaccg 240
accgttgga tggttattcc attacctcg gttaaattaa attccaaccg tccggcgggg 300
ccggaccacc gttggaatta aaaaaagaag gtgaaaatta tattattatt caaaaatatt 360
cttttttagta aattaaagcg gaaaatcaat cgggacgttt ctcttttggg attctcattc 420
ttaatcgaga tgataataac taggtgagac tanggctaaa tcactcgcta gtcagctcgt 480
cacaaaaatt gctnttgagg ttgcatttca tttctactaa gttaaag 526

<210> 36251
<211> 445
<212> DNA
<213> Glycine max
<400> 36251

ctggcattgg aattgcgaaa gcccactcc atcattagga ttatttctctg acatctcaaa 60
caaacaatc aaacgtaaca tgacaattat agttgctggt tgaatacctc acccactcaa 120
gtgtatcaca caattatggc ttttctctaa tgaaacactc ttgcctttta ccaactctaat 180
tccccttgag ttcttaggca attcaagaga ttatggccac aacaaagaac aattcaccaa 240

<210> 36254
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36254

ggctggcatt ttttgtacat ttaaaaaatt ggattccagg cacataaaga agaatatgag 60
 aaggtgaaat caattcgaaa ataagagaca ttaaaaaatg gatttcaaga acataaacia 120
 taatcaatat gagaacatga aatcagttga ctctacaacc cctcttttca atttgcaaca 180
 ctccaaaaat ctctatttt gattatcagt cgtgtttgca atgtaaaggc taagggtggg 240
 taagcgggct ggcccacccc atgtaaggcc cgcccacata agcctgcatt ggcagcggac 300
 tgggccaatc cgccccgct tcttacacgg accanataaa ttggccatcc ctgccccgcg 360
 gaccccgca gtcanacggg ccggtccgcg ggcctagctn tanagaatnt caantttaat 420
 aaaaatacaa tataatcaaa ttanattcaa taaaaat 457

<210> 36255
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 36255

taagaggcca tggagattga gatggagaca gacacgtgtg gtttatagat ttcacctgta 60
 ttagttttct caaacattat ctttgcccc aattacatga ttagatagcc ttgtgacaat 120
 caagggagta ccattacata aaccttcaat ttgatctaaa ttccttaaaa gcatcattgg 180
 tgtgccaatc ttcaatttga ttttatgatt tggaaggccg atgttccaag agaatttgaa 240
 aattcaaggg ttaaagcctc gaatatttgg tcttcatttg attataaatt gtcaaaagaa 300
 tctaagctta gatattgttt ttcaactata acataattgt aaacaattta actaatttga 360
 ttgtttcaaa tgaaagatat ttgtgtaact ttttcaaag gtagatgaga ttacatcgat 420
 ttaaagataa tacatatcc 439

<210> 36256
 <211> 179
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36256

agcattaata ttataataat caccttcana aaattgacaa acataattta aaagaaatat 60
aataataacc ataatattaa ttaacaatca taatttggtt atcacaatag agattatcca 120
naatagacat tctatcaatn tagctaagta aacattgtat cagtgtacca atcattaca 179

<210> 36257
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36257

tgaccaatcc cgaccaacc cggtcgtagt cggncagtga gcacccctgtg atgtacctaa 60
gcaggcgagc tcgtggcagt ctacagataa aatgaaaaca agaccacaaa gcaaggaggc 120
ttgtgggtggc tggccagctg tgaattttgt gtaatatgtg agatatggcc tctggtaatc 180
gattaccaag ggtgggtaat cgattacaag gcttagaaat gaatacagga ggctaagatg 240
gtctctggta atcgattacc aagggatgta atcgattacc aggcttgata acgaggctcag 300
gaagctaaag aagcctctgg taatcgatta ccaagtgggtg taatcgatta ccaagcttca 360
aaagggaaact gggagttgat ggaagcctct ggtaatcgat taccacactg tgtaatcgac 420
tactcatagg aatgtgtcac t 441

<210> 36258
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36258

aagcttnctg attggttagn attanntacc canaccacca aatatttggt cgtggtagga 60
caccagaaag caataacgtt gccaatgtt gccctgnaag acagaagaac atttagtagg 120
ttaccgcaaa ttattaatgc ananatattt gaacattttg ttcaacattc aaatctcacg 180
ttatttgatt gcatataaaa gctcctaagt aactgtttc gttgngattc cttgacccat 240
gtttgaatgt aatgttgaca ttcttggcat ctatcctttg agtggtgata gactgangtc 300

aaggaaacca tacagtgtcc ataacctaata cttgtgttca atcattcata aactattcaa 360
acatttgcatt aaatttgtaa tggttattgt acgacattaa tatcagtaata agattagcac 420
tctaaccaat tactacatcg accacatgag atggtatggt caacattgcc ct 472

<210> 36259
<211> 451
<212> DNA
<213> Glycine max

<400> 36259

gattgcctta agagcaaaaa agagagaagt gaacttcttc tctgcgtttt ttctggaaaa 60
tgcatgaat tcgctaagcg tgcattgttc attaagcgag ttcattcaata ttgcttgaat 120
atatgcattt tcagacgaac tcgctaagcg cgcctacgac gctaagcgag ttcattcttt 180
gtggatgaac attcattctc ctgatgagtt gactgtggct aagcggggct gattcactaa 240
ggccaggtaa cttagtcaaa tttttgttga acgctgcgag ctaagcccaa cctattctagg 300
ctaagctcat tgcattgcgg cagccattgt gctaagcgag cctagcttgc taagcccaca 360
tacttagtga aatttctaaa atttatgggc ccgctaagcg cagccttgct aagcttagcg 420
catattctgtt gcggctatca ttaggcttag c 451

<210> 36260
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36260

agctnatagc caattcanac gacanataac ttttacgaga atgtctgatt gactcctgta 60
atataacgag acgctcgaaa ttgaatgttg aacctctgag ccaattcaaa cgacaataac 120
cttttacacg gatgtctgat tgagtcctgt catatatcga gacgctcgaa attgaaagtt 180
gaatctctga gccaatccaa acgacaataa ctntntactc ggatgtctga ttgagtcctg 240
taatataacg agacgctcaa aattgaatgt tgaagctctg agccaattca aacgacaata 300
actntntaca cggatgtctg attgagaccc gcattatcga a 341

<210> 36261
<211> 466

<212> DNA
<213> Glycine max
<400> 36261

taaatattca atttcgagcg tctcgatata ttacgagtct cattcaaaca tccgagaaaa 60
aagttattgt cgtttgaatt tgctcagagg ttcaacattc aatttcgagc gtctcgttat 120
attacaggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180
cttcaacatt caatttcgag cgtctcgata tatgacagga cgcaatcaga catccgtgta 240
aaaagttatt gtcgtttgaa ttagctcaga ggttctacat tcaatttcga gcgtctcatt 300
atattacagg actcaatgag acatctgact aaaacgttat tgcgtttga attggctcag 360
agcttcaaca ttcaatttcg agcgtctcga tatatgacat gactcaatca gacatccgag 420
taataagtta ttgtcgtttg aattggctca gaggttcaac attcaa 466

<210> 36262
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36262

agctnagatt gctctattca atggagtnga caagaatata ttcagactga tcaacacttg 60
cacagtggcc aaggatgcgt gggagatcct gaaaaccact catgaaggaa cctccaaggt 120
aaagatgtcc agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gngagagaag atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
atttgacatg anagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga 360
tgaactcatt ggttcccttc aaacctttga gctaggactc tcggata 407

<210> 36263
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36263

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gcacttctct ctctctcgaa attgotcaag aaaattatct ccggaagaa aatccaagcc 120
gagggcgcttc cgtaacgttt ccatgagtaa ttacgtgaag attctcgacc gttcttcaag 180
attcatcggt cggtcttcgt tttcttcagt cttcaacggg taagtacctc aaaccaaact 240
tttcaattta ttctatgtac ccggtggtggc ccacattatg tttcgtgtat ttttattctt 300
gttttcattt gctttttata cacccttttg acgtgcttaa gccatttatt taattcattt 360
ctcgcttaat ctaaaaataa aataaattcc caccgatcat ttaaattgta tcatccgtta 420
attccgaccg ttcggccgtg ccgtaaccac gttggaaatc aa 462

<210> 36264
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36264

agcttgaatg gacacctaca ntctctagnc ctagggtggc ttataacgaa ttctttgttc 60
ctacacctat actcgccact cttttcacac ccaattaaca caaacgaagt ctttctctta 120
ctacatgtgt atgtgtctga ctttacaatc accgccacaa atccattttc ataagcaacg 180
gatcaagccc atcgcagaac atctctcttg ctgtcaaaca cctacaaacc aatccacata 240
atttcagctt cctacgacat attcattcta ttaaactact cacagtcattg aacattatta 300
cctgagaagt attgaacaca tctgaacaat caacatgtgg ttcaattaca ccacattctt 360
cttcattgtc ataattcata tccattgttg catgcattat accttcatat atccactgat 420
cctggtctat cttaacaata aata 444

<210> 36265
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36265

nttgcaagtt ggaatcattt atcctatctc cgacttccaa ttggtgagtc ccgtccaggt 60
agttacgaag aaaaccggcc tcgccgtgat aaaatatgag aaggatgagt tgattcctac 120
tcgggtgtag aacagttgga gaggatgcaa cgactatagg aggtgaacc aggttaccaa 180

aaaggaccat tttccactgt cattcattga ccagatgctt gaaagcctgg caggtaaattc 240
 tcactactgt ttccttgatg gtttttctgg ttatatgcaa atcactattg cttctgagga 300
 tcaggaaaag accacattca ctttccccctt cggcactttt gcctatagga ggatgccttt 360
 cgacttgatg aatgccccctg gtaccttcca gcagtgcattg attatgtatt ttagtgattt 420
 tttagaaaat tgcatagagg tgttcattga tgatttcact a 461

<210> 36266
 <211> 661
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36266

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 atcctctang agtcgacct gcattggccat gcanagcctt cnattttttt agangcaatn 120
 ncntnggggn ggagcaagcc tccgttctgt ctcttgagca ttaattcncc taaagtagga 180
 tgcgtagccc ctccccctac tctctntct tctgttgca cctcgcgcatt gcattctcac 240
 atgngatgaa aaaaaatcac gcaattgaag cgactctcat gntgaagcat canaagaatc 300
 ccagccctcn cattagatag ctcctacaa gtatagcctt cccatcatag tgcgtactca 360
 gaagcacaga gaagccttca gagtagaggt gcattcttta nnacactcac attagatatt 420
 ttatatcttt tacccttcta cttcccagtt gctaggtact atcagttatc tctcccatag 480
 tatctccctc accatgtact tgttctacaa tgcttggtta ccatgaattc tcttagaagt 540
 attccaccct atntaaagct tgctattaaa nagcctagac ttcgatnact ataatggtcc 600
 aaagtatctt gctcttggtta cttgaacaca tgaatagtgt agagtttacg ttcctttgac 660
 g 661

<210> 36267
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 36267

tctcaaggag gtgagcttag ttatgagagg ggtgtgtgtc tcttatctct agcttctcaa 60

ggaagtttgc tcaaataagc ttctcaagga agttttctca aagaagcttc tcaaggaagt 120
 tttctcaaga aagctttctca aggaagctac ctagtctata aatagaagca tgtgtaacac 180
 ttgttgtaac tttgatgaat gagagtcttg tgagacacaa ctcaaagttc aactttctctc 240
 cctttttctt ccttcaattt cgtgctcccc actctctctt tctctccctc tttcttttcc 300
 tccattgaag catcctctcc aagctttctta tccaaggctc atcttggtgg tgaagctcct 360
 tcttccatgg cttattccct agtggatggc gctcctctc acctattctg ctttgtcttc 420
 cgctgcat 428

<210> 36268
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 36268
 cctaggaaat tcataaatta ttgactgccc acacctactg tctcgtgggg ggtatgaact 60
 gcttgacaag aaacttatgg aggagaagac caagcgtgga catgaggaac atcagtttac 120
 tgaaaaccca aactcaaca tcgacctcc atccctatg gcaagacact tgaagtggaa 180
 gatcgacgc acaaagagtt atgaccaa atgacgtctgaa ggggcacaag aaattgtaga 240
 caaaattgtg agttcatgtc ttctttgggt actgtcattg ccaaataatg gttagccaac 300
 atagtcaa at 310

<210> 36269
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36269

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 tttctggaca gagcatatgt tgaacaaaaa ctcttagaaa gatattgaga aattggttgt 120
 tttaaattca tgccatgatc acatatttat agccatttga tggctcctga agaagccatg 180
 ttaaaagttg tgacttttgg caatttcttc aaaaccagtt agttacttta aaaagttgtg 240
 acttgacaat tttttcaaaa ccagtcactt taaaagttgt gactcttgac aatttcttca 300
 aaatcagtca ctggtaatcg attaccataa tgggtgaatc gattacacag tttattttat 360

caaaagttgt gactcttcat gttgaggttt gaaatccaac gctcaaaaac cattagtaat 420
ctattacaaa tat 433

<210> 36270
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36270

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gaccgaacta gtataaatct tgtgtttgct ttcttcttcc tacaatctta ttttacgctg 120
tacatttttt tatttctgct ttactttagg ttaagttata gtttctgttc tttactttct 180
tataacttag tagtaaagcc taattgaatc tagtaacatt aagaaagata aaattttaat 240
tagtcaagac acgttcataa ttaattcaac cccctcttc ttaattatc tgaggccact 300
cgatccaaca tgatctnnta tttggagaan nnattatgtg ttgtatttgc aacttgcaag 360
gtactgcttt gtaaactcagt tngaanagaa tattggctac tggtaatntg atactgcct 420
ctggtaattg attacc 436

<210> 36271
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36271

gtgtctaaca catccttnt agtttcttgc agactcagat tatctatgtt atatttacc 60
accaaattcc tgatagaagc ccatttaagg cctctacca gcccccta gttataggac 120
aagatattca tctctgaata tatctgttcc ccatctttaa agcttcttcc ctgtcccgag 180
actccatagc tgagaaagag tgtatacctt cagaatctga tacatgggtc aggcccatgg 240
actgcgcaag aaccattgc tgggtggcct cttcgagtc ttcaaactga tttccttctt 300
tgttaatagt cccctcaaca acctgtaact tagtagtatt tgggccttca gaagaagcat 360
catataaacc acccataatc ttatcctcct tggagctatt agcttggtca gggtccagct 420
ca 422

<210> 36272
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36272

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 cctcaatcaa gtctttggag ccctgaaggc caattatctt taaattcaca agattctgtg 120
 acaagaaaga tgcatacatg tggtcagaaa cgggtgaaatt cataatcatg agccttaaca 180
 aaaagagaaa cctgagcata catagaagca caatatccaa ggtgtggctc atgtgaatga 240
 gtttcacttg aggctgtgca ggactagtta caacttacta ctctctcatg tatctntaca 300
 agttgaatga aaaatatagt acgtattcat acctg 335

<210> 36273
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36273

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 aaacttgagt gttgttcaca cgtcaattca tcattaacat ccttgtccaa tgtctcaaaa 120
 aaagaaacaa tccatattgc accaactaaa tcaacaatgc agataacatc gattgttcac 180
 acgacaatga atcattacgt cctctattga agtgtaagtt atttattaaa agctctcata 240
 gaaaaaaatg ggattatttaaaa aaacataaaa aaatcacat ttttaagggtg tatttttcaa 300
 aaatcacaaa cgaaattgta tttttgtatg gtatttctag aaactacata acgaaaatga 360
 aactttgttg tgtaattntg aaaaaatata ctacaaaaac ttgttntcat tntgtttttt 420
 ttcttcaacg 430

<210> 36274
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36274

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 tgtgtcgtcg tagtgtttca ctgagcctan gtttcatcta agccctacat gctagttact 120
 cacaccatct tcctagggtt tggatactat ggtttcgaaa gcggagaggt tttcggattt 180
 gttgagcaaa tntgcgcaga gttccaagga ggtagatgt tntgggtntg tatttgtgat 240
 cagagaaagg atgttttagg tgtgggtcgt tgtttgatgg tgggtggtgca tggagaggtt 300
 gc 302

<210> 36275

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36275

ggataaaatn gaagctatct ccttaatctc gcaggctttg gtttgcctct taatttcctt 60
 tcaacttaag tgctaccag ttaaataaac agtatgtaac tataactaat ttacagtagc 120
 tgctttgttt atgtaataca taacaataaa aataagcagc tttgtctatg tcatatatgt 180
 aaaataaatt aataataaaa tttctattag tacctataac aagtgtggcg ttcctcatga 240
 tttttataat tatgatttga tgtatagaat ttcatatata gaatggttat gaaaataata 300
 tacatggaga gaaagtaatt ttaattgaat ataattagaa taaattatta aaatattaga 360
 catatatact tggtttcaaa tttattttta aaataaaata attggtatct atatacacac 420
 atgtacgtgc accagaaaca aattaatat 449

<210> 36276

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36276

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 gaaaggagaa acacatgttg tgactacat tcctacatgg ctaaatttcc cattagccca 120
 acaatatcaa tactcagcca atatcagtc ttctcattac ccaccacct aacagccaag 180

aatgcccaat catccataaa ggccaccenc aaatcggcca caaaatccac ccgatgcaca 240
 cccaagacca aacaccaccc ctaataccaa tcaaaacacc aaccagggaa ggaattttct 300
 agaaaagaag cctatagaat tcacccaat tccaatacca tatgctgact tactccccta 360
 tctgctcgat aatgcaat 378

<210> 36277
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36277

tatcttaaca caaaaatgac atgttaatcc ctccgattta gatcaatctc atgcacactt 60
 ttaatgtaaa atatttatgc acatgcgtat gtgtagaata tcctactatt tatgtcaacg 120
 tacaaggaca tccaacacat tctaattgcc atacatatat atgcatttga aaagaacaca 180
 cattctcatg ctcaaggcat tgcgtcaaaa ttacaccta atcacaacct aaacatttgc 240
 tatcacaac tacctacaca tatttgaaac atatatcata caaactttta ttgtttcact 300
 cacatttatt tatatgcatg ttggaaagct aattacgtca tgcacacact tgcattcaaa 360
 agggaattcc atgccatcat atattcattt aggaagcgac ctcaatattc atttaggaag 420
 atactcgttc acactntgca aggaattt 448

<210> 36278
 <211> 249
 <212> DNA
 <213> Glycine max
 <400> 36278

tacttgctct atcactgagg attttatcta agaaataagt atgcaaagag gcattcattt 60
 tgttggtgg catcaaataa ctttcccca aaagctatgg ttgcctcaat gtttttactt 120
 gcggaaatga atattgcaat gcaagactca ttggaatcgc aacacagtat atcaaaactc 180
 tatgtccaaa tccttctcaa ggaatatggg gatgtctctt ttgagtcac accagccaag 240
 gatcaacaa 249

<210> 36279
 <211> 441

ttgggctaaa aaacgctggg gcaacctatc aacgggctat ggtggctttg ttccacgaca 420
 tgatgcaccg agagatcgaa gtct 444

<210> 36282
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36282

agctagattg gttttgtgat agnngatttg caggagatgt tgatgataga aaaagtacta 60
 ccggatttat gttttttatg ggtgattgtg tttttacatg gagttctaag aagcaagcca 120
 ttgtgacact ttctacttgt gaagccgagt atgtagctgc aacttcttgc acatgtcatg 180
 caatttggct aagaagatng ttgaaggaac ttcacttggt gcanaaggaa aacacaaaga 240
 tctatgttga taatagatct gcacaagagc ttgccaagaa tccggtgttc catgaacgaa 300
 gtaagcatat agatacaagg tatcatttca ttagagagtg cattgccaag aaagaagtag 360
 aattgactca tgtgaagact caagatcaag ttgtggatat tntcaccaag cctctc 416

<210> 36283
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36283

tctagccaaa tggacttacc ttgaattaat tcctttgata gctcntntga tccttgtttc 60
 cctttccttg ttttgaagct cactacaagc ctttaagtga aaacatgat attaccatat 120
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gggttttggt 180
 tcattggaca acttgttttg ttggctatgc ttcattgatg attttgggcc atacttgatg 240
 tacattgtat attggttaaa tgttgggctt aatccggatt ttggttggtg acttgaagag 300
 ggcaaataaa gcagcgctta gcttaattaa tttctaatta ggaaacttcg caattttatt 360
 ttatgttggt caatgtttat ttcgttctgg gccaaagtat tggaatatgg cccagtgact 420
 ctgagtgact ctttat 436

<210> 36284

<211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36284

agcttgctg nctgtgcagc agtaatgatg gcccgagtga tgttgtggaa cggttacgaa 60
 cccggaatgg gtttaggcaa agacaacggc ggcataacta gcttgataaa tgccanagga 120
 aatcgtgaga agtatggttt aagctataag cccactcagg cggatatgaa gagaagcatc 180
 gcgggaagga agagcgggtg tcaaagctcg tgttgagac aagaaagtga aggaagcccg 240
 ccctgccaca taagtagaag ctttataagc gcgggtctgg gagacaaagg tcaagtggtc 300
 gtgatatgcg aagatgatgt tccgagtaca ttggaattgg tacgaccatg cctcctgat 360
 ttccagttgg gatattggcg agtggaggaa cgcnnctgca tttacgcaac gagcataatg 420
 tanaccctta cggttntaaa agctctatag t 451

<210> 36285
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36285

ntactgctta tagcgtntgt tgctgttttc catgttatac ttatcagtga gcacattgga 60
 gtagattggc acttttgtca tactgaagat cctatttaga gacatcaata ctaattgtca 120
 attcaaata tcaaccagta gggttttttt accaaattat ttagaggctg tttgataagt 180
 ttcttttatt acaagtttga ctcataggaa ttgtatgctc taccttgaag aggagtgcta 240
 gggacatgaa tgcgcaaaca aggtgattgg aagcactagt gaggagtgca gattgcattt 300
 tttttgtaac cctgtgaaaa agggtaaagg gagactaaga agtacacgat gaaattatta 360
 agaggggatga atggagggaa acacaacaat aggtggaagt gctgggtggg agctttaacg 420
 tcgacaattt ggcagcatat gaataagatc cttttctca 459

<210> 36286
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36286

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agctttatattt atttagtcta aacttacgag ggatcgaggt ttagtacttt aggctacaac 60
atagaacaca agaacatgat taattagaga aatatcctca tatgcattaa cttgtttgtt 120
agaaagaccc aatacttttt acctattgct gtcaactttt acttacttgc atttattgtt 180
ntgaccatag aattagttta tttatgttct taactatcaa ttatcaatgt ttgctccaaa 240
tttcagggca tcataagctc gtttagagag aagattgtct cttacgcgct tagtgcaaga 300
atgggtgctaa gccaaatntc acttgtgcta agtgcgaaaa tggcgctaag cgcaccttcg 360
cgggacaaaa ggcccccttta agcctgaatt gtagagaatg aaagagaggt ctgagtagac 420
tatgtgagcc tagtgttgaa cgaagaac 448
```

<210> 36287
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36287

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tctatagaag gttcattcct aattttctcta caattgcac actgctcaat gagctggtga 60
agaaaaatgt. ggcatttacc tgagggtgaaa aacaagagca agcctttgct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttcttgactt ttctaaaact tttaagctag 180
aatgtgatgc ctctggagtg ggaggttagag ttgtattgtt acaagggtggg caccctattg 240
cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gataaagagc 300
tttatgcctt aataagagcc cctcaaactt gggaacattt ccttggtngc aaggaatntg 360
tcattcatag tgatcaccaa tcaactaagt acattagagg gaaaagcaag ttaaacaaaa 420
ggcatgcaaa atgggtagag tacctagagc aatctccata t 461
```

<210> 36288
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36288

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agcttaangt aananagtan anggacctcg accagnngag agtttggtta gagactaaac 60
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atgaaatttc aaaacagttt agagggctct tgctctctca tctaggggcc attcctctnt 120
angtttgcct attaccagtc aactctcagt tgttnttggt gttttgtaag gaccaatctc 180
tatgatgtcc cacaaagaan aaaacatctt gtgattccaa gaacaacatc attctacctt 240
tatagtagta aaattcttgt acatcatagc ctcaagggtca gttgggttgaa gccccttcag 300
gtatgactat agttggaact tgttcaaaat cgttctctca cgctatcang tatgnttaac 360
cctnaaagat atgctttgat accaattgaa atgacaaana taccataaga aggggggttg 420
ttgtgtcttc ac 432

<210> 36289
<211> 426
<212> DNA
<213> Glycine max

<400> 36289
gtagcctgat cgctaagcga cagcttatcc ggggctaagc ttgacttatt gtcgccaagc 60
gcaattccgt acagccataa ctgagggtcga tgaagctaag cgccagtcac ggcagctaag 120
caagattcat tgcgacaata tgagcgctaa gcgagtcctt ctgagctaag cgcagctcc 180
tctgtactta agatgcatca ttttagctaa gttggccaga gcttggctta gcgagagttg 240
tagcttttct aatctgcaga cctcgctaag cggatgtacc ctgcgctaa gccagtttt 300
tgttaaaaaa aaactgattt tgaattcgaa acgccggcta agcgcacggg tccgctaaac 360
gagccttggt gagaaaccaa acgtctctct tgcttgctta gcgtagcggg cactaagcg 420
agagta 426

<210> 36290
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36290

agcttctctc ttatntgct ataataggc ggagaagtga agaagaaaag gggtcagccc 60
cttaggcact tctctctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc 120
aggccgaggc gcttccgtac cgtttccgtg agtaattacg cgaagattct cgaccgttct 180

[illegible]

gtgaatgctc	tattcaatgg	agtggacaag	aatatTTTTct	tactgatcaa	cacatgcaca	60
atggccaatg	atgcatggga	gatcctgaaa	accactcatg	accgaacctt	caaagtgaat	120
atgtccaaat	agcaactatt	ggccacaaaa	accgaaaatc	tgaatatgaa	ggaggaacag	180
tgtattcatg	actctcacat	gaacattctt	gaaaatgcc	atgcttgac	tgcttgga	240
gaaaggatga	cagatgaaaa	gctggtgaga	aagatcctca	tatccttgcc	taagagatat	300
gacatgaaag	tcaactgcaat	tgaggaagcc	cataacattt	gcaacatgag	agtagatgaa	360
ctcattggtt	cccttcagac	ctttgagcta	agactctcgg	atatgactga	aaag	414

<400>	36294
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agcttgaatt	tgaacaacgg	aagctctcga	gaaaatcgag	tggtcataaa	ttttcacaca	60
gatgtccgat	tcggggaaat	aatatatcga	gacgcacgaa	attgaacaac	ggaagctctc	120
gagaaaatatg	aatggtcata	acattttcact	cggatgttcg	atccgggggac	ataattttatc	180
gagacgctcg	aaattgaaca	accgaagctc	tcgacaaatt	agaatggtcg	taactttttca	240
cgcgaaatggt	cgattcgggg	acataactca	tctagacgct	cgaaattgaa	caacggaagc	300
tctcgagaaa	tttgaatggt	cataagtttt	cacacggatg	tccgattcgg	gaacataata	360
tatcaagaca	atcgaaattg	aacaacggaa	gctct			395

<400> 36295

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agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaagga cattcacaac ctttgcggtg tgccctcgct ggaaagagtg 180
attctttcct tcctttcatc ttcacccttg ttctttcaaa ccacaattcc agaaaatcca 240
cctctgcccc gaattatctc gtggccataa ctcccatttt acgcactcaa attaagtgat 300
tcttgagcct aaattgaatt tcaaaacgag tcctttcacc tcgttttgga atcacctcat 360
ttggagccct ttagcttcag ttatttccat ttctatatatt ctgtccagcc accacttaac 420
ctacgtt 427

<210> 36296
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36296

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gactttctgt gattgggggtt aaagatacaa tctttgcaaa tgagaatgct ntagaaacat 120
taagaaagct agcagatggg cctaanagaa atgttatatc ttggaaagga tatgacataa 180
acatgtattc attntacaca aaagcacaag atgacaaaag tacaatgcag aacagcgggg 240
tcctcctaag ggctgaatct caacacttgc caagtgtgaa tgacgccaat cctgtgttag 300
cttccatccc ttactttgng ttcatcttgat gaaattggga gcttaactat ggngaaatta 360
ctatantggt tttcaaatgt aaatggggtg acagcaacac cgggtgtacgc accaatgaca 420
t 421

<210> 36297
<211> 453
<212> DNA
<213> Glycine max

<400> 36297

tcttatccaa ggctcatctt ggtgggtgaag ctcttcttc catggcttat tccctagtgg 60
atggcacctc ctctcacctc ttctcatttg tcttccgctg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180

caacatgaga tagggtgtta ctatcagact ttgaaccatt catgtttttac ttaagaaact 420
cctttcaaca tgggtctgccc atggg 445

<210> 36300
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36300

cccatttcta ccaactacaa aacctaagaa aactatatta tctacacaaa aggtacactt 60
ctctatatatt gcatagaggg tggttttctt aaggactgaa agaacttgtc tgagatgtcc 120
taagtgatca tctagcctcc tactatacac taaaatatca tcaaaataaa caactacaaa 180
tctacctatg aaatccctta agacatgatg cataagcctc ataaaggtgc tnggtgcatt 240
agtgagccca aaaggcatca ctagccattc atacaaacca aacttggtct tgaaagcagt 300
tntccactca tca 313

<210> 36301
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36301

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gttttggtta ctttttatac cccctcttga cgtgcttaag ccattttact taagtcattt 120
ctcgcttaac ttaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccgtta 180
acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
aaacgaggta aaaaataata taataataat aaaaaatctt ttagcaaaat aaagcggaaa 300
atcaatcgaa cgttttctct ttgggatttc tcattcttaa tcgaattgat taataactaa 360
agtgaaacta aggctaaaat caactcacct agtcaagctc gtccacaaaa ataggctttt 420
gaagtatgtc atttcaattt ct 442

<210> 36302
<211> 458
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36302

ncagctngct ttgtggtctt ttatggaggc tggatctttg agcttcaatg aggtccttta 60
atggtgattc tccaccatgg agatgcagtg gaagacaaag gagaagagga gagaggaggc 120
gccatccact anggaataag ccttggaaga aggagcttca ccaccaagat gagccttgga 180
taagaagctt ggagaggatg cttcaatgga gganaataaa gagggagaga aagagagagg 240
tgggagcacg atattgaagg aagaaaaagg gagagaagtt gaactttgtg ttgtgtctca 300
caagactctc attcatcana gttacaacaa gtgttacaca tgcttctatt tatagactan 360
gtagcttcct tgagaagctn tcttgagaag cttctttgag aaaacttcct tgagaagcta 420
gagcttagct actcacaccc ctctcataac taagctca 458

<210> 36303

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36303

atgatacttg ttaatgttnt cttactaatt gttcttattt gtttnttgta ttaatttctt 60
ttataataaa ctcaccctc gcaatttttg taccgtgtgg ttggtacctg tgatgatcgc 120
aaacctttgt tcgtgggagc agaatgacag cagtagtgga caagaagtga gattctttcg 180
tggagccacc gagctgacgt gatgaagttg ggattatttt gggagagagt tgtgttttat 240
taatcaactc ctccatagct ggttccgtaa ttctttttgt tgatttcaag atgtaaatca 300
caaatttaat tatatgtatg aacaaattta ttttccatta tgtgaatgat gtgtactagg 360
ttactatacc tatatatata tatatatata tatatatata tatatatata tatatatatt 420
cacttacgta atggtgcatt gcg 443

<210> 36304

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36304

agcttggata gatgcttcaa tggaggaaaa gagagagga gagatagaga gaggggggag 60
caccacattg anggattaaa ggaggagag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagtaac aacaagtttt acacatgctt ctattcatag actaggtagc 180
ttccttgaga agctttcttg agagaactaa cttgagaagt tcctttgaga caacttcctt 240
gggaagctag agcttagcta cacacacccc tctcataaca aagctcacct ccttgagaga 300
cttccttgag aagattccta aagaagctag agcttagcta cacaca 346

<210> 36305
<211> 464
<212> DNA
<213> Glycine max

<400> 36305

agaaggtgtg tagcccacca tcttttcata gtagaatact gtttttgcgt ctactattat 60
tgtcatcatt gtttttctct gtcattgagg tgctacttga gctgccaaagt ctctccacct 120
ttgggcgtat cctttgaaag atccgtaccc tctttttgca catgttctgt agttgcatcc 180
tatccgaaga cattatactg aactgccta atgaaggcaa ccactaggtc cttccaagaa 240
tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccagtc aagactttct 300
tggaaggaat gtatcagtaa ttctcatct tttgcgcagc ccccatctt ccgataatac 360
atctttagat agtttttggg gcaagtagtc cccttgact tgtcaaagtc caacaccttg 420
aacttgggag gggatgatgat attgggttct aggaaccaac tttt 464

<210> 36306
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36306

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gatctgtcat atcgacttg agagggtgta aaaggtgcct ttcttttcct agaagccata 120
tgcaaaatat aagacaaaac acaagagatt agcacatgtt tattctcaag aaaatagaaa 180
aattaagatt gataacagag ttgggcgctt agcacagcaa tatggcgctt agccccttca 240

caaaattact catgggctaa gcgtagcaaa ctgcgcctna gcctagagac tcanaatctt 300
 tntgtctaca gattaggctt agtgcagcaa ggcaagctta acctanacct acaatnttag 360
 aaatagtaaa ggacttgggc ttagcgcaga ggccctgcgt naggcttatt acgaaggtaa 420
 agaaacagaa cctaagtggc gcttagctca gtaagtngtg cttagcgcct gaactactct 480
 gagtatctca gta 493

<210> 36307
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36307

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 tggagctatt gttttctact tgggtgaggt aagttgttca tatgagactt aaagctgtga 120
 ctactgtgtg gtgtgtggag ttgtaaattg taattcacca tacttactga cagttcaata 180
 taattttgga cctatttttt gtcactgaat aagttacatt tcctatttca ctttgatttt 240
 aattttggac tctttttttt ttgggtcttga catagcatgt ttatttaatt ctgcagcctg 300
 ctgctcccaa actgggtacg ctgatgggtg tctntattcc atgtatacaa agcatnttgg 360
 gcatcatcta ctacattcgt ttctcttggg aacttgtaaa ttgctttaaa tcttgtctta 420
 tatttttagct cgtttgaggc tnttgggaacc taatatctga 460

<210> 36308
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36308

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 gtgttttaaa caacaataag ccttattcca ccaagtggag ctaatatata tgtcaaaatc 120
 actaattggc atccacattt gagaatccaa agtgcataana atttattgat tactaagtta 180
 ctaacttcct ttacttacaa ttttggcaat gatcgttcta tttcaatctc gttaacctat 240
 gctctgctca ttcttatttt tccctgcatg atttccttgg gactacagat actgatgtta 300

nttttagttg cataattggt aacgtttata atattgttgc atgctttnga aggtttaatt 360
acggaactgg gtagaattan aaaataccat aatgggattt tttaaataaa ta 412

<210> 36309
<211> 461
<212> DNA
<213> Glycine max

<400> 36309
tcttgagtc ttctatgcaa tgcccttgag gggatgatt atttcattcc ctccccctt 60
gaaaaggatt tgatctcaaa tccatagggt cttgaaactc atggattctt tcctcaacac 120
ctctaaaaag aataaaaaca tatgtattag tgatgttggg tatgttagag tacgataagg 180
actgaaaacc cctttcttgg ccatcttccc atgagagaat atagtctctc accaactcag 240
tgagtgggtgc tacaagtata gaaaaatatg ggataaacct tttgtaaaag tttgttaaga 300
tattgaagcc cctaatttcc cttatacatg gtggagtaag ctactcaaga atgaccttta 360
ttctcttatg gtccatggga agcccttgat cactatttaa aaagttaagg aaagtaatgg 420
aataaaatat accttctttc tttattttca tgttgattat t 461

<210> 36310
<211> 116
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36310
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ctcctcgag actgttgat tcattaacac tccgcgataa ggaagcatca caactg 116

<210> 36311
<211> 221
<212> DNA
<213> Glycine max

<400> 36311
agatgggggtt gttgatactg gcgaagaggg aacaccagct gctctggacc tggttttcct 60
tgcccttggg aaattaacta tttggtcatt cacattccaa catttccttt aatataggcc 120
aagataatga ccagcctcag gctcttgtaa gcagtaagag catcagatcc aactccccctt 180

gacctacaca agactttgat taaagctggg aagcctaggg a

221

<210> 36312
<211> 429
<212> DNA
<213> Glycine max

<400> 36312

tgagcttgcc ctccattatg agcatggagg agtttgacgc tctaggtggc ctggccagga 60
gaccagtctt ctccctctag aggggggtggg gcctccacaa cccaggagcc tgtgactaag 120
gagcctgcag cagaggaaga gaccactcca gtcagactc ctcagccatc tccaccatct 180
gaacctgctc ctgacgagac tcaaccatca tcagcactgg atcttaatga agaccagcca 240
caggaggagc aggacgttta attttttttt tttgcattat gaacacttta gttttatttc 300
agttatttta tgctttatgt catttaaatt tcagctttta tatttcagta gcatagttgt 360
ttgtttgctt gaacaaaaag cttgattgaa cagtgaattg attgaacatt gcatgcagtg 420
gattgtttg 429

<210> 36313
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36313

tgcttttgat ccaaaatcct gacacaccat aaaccttgac ccagggtgag aatgtcaatt 60
cttaccctcg gaagcaaana aaaaggggag agggaaaatt tccaatcaaa gaggaagcan 120
aaaaggagag aaggaaaatt tccaatcaaa ggaaaaaaag agaggaaagg gaattcccaa 180
tcaaagagtg ggagaaagca aaaagattag aaagaaaatt cccaatcaaa gaatgggaga 240
aagaaaaaag agaagaagat agggaagata gttcccgatc aaaaaaaaaa ataatatgca 300
gaaaggggtct tggaccggac aatatctgaa caatacagaa ttgtcaccaa atgaat 356

<210> 36314
<211> 426
<212> DNA
<213> Glycine max

<400> 36314

tcttagtttc agatgatgca gatggatttg tagctacctt atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcaacatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaaat attggagaag aagctattct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tetaatacct gagatatacct tcccgatggg tgtgggtcctg gaagcaggaa 360
 attttttttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420
 ggtatt 426

<210> 36315

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36315

cgatcactcg gaccgggac ctttaagcacc tgggctcagc ttttatcatc ttgtcccgat 60
 ggcccatgtg ttcgtgcttn tattctcggt gttactttta taccctcttg gacgtgccta 120
 agccatttac ttaagtatnt ctgcttaaac tanaaataaa atagatttcc accgaacggt 180
 tgaattgtat atccgttaac ttoggctaaa atgaattccg accgttcggt cgtgccgtaa 240
 ccacgtagga aatcanaaag aggtannaaa taatataaat aaacaaagaa catcttttag 300
 taaaataaag cggaagatca ataggacggt ttctcttttg gattctcatt ctcatcgaat 360
 ggataataac taaagtgaga ctaggctaaa atcaactcgc ctagtca 407

<210> 36316

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36316

tgctcanag agatccagga aggataaagc gaccgtaggt tccagttccg ctcccagta 60
 tgacacccac ctcttttagga gcgctgaaca ccagcagcgc gtcgaggcca tcaagggatg 120

gtcattttctc cgggagcgac gcggtccagct cagggacgat gagtataccg atttccagga 180
ggagatagtt cgccggcggt gggcatcact ggttaccccc atggccaagt tcgacccaga 240
catagtcttc gaattttatg ctaatgcttg gcctacgaag gagggcgtgc gagatatgag 300
atcctgngta aggggtcagt ggatcccgtt cgatgcggat gctatcagcc agttcctggg 360
atatccttta gtgctggaag agggccagga gtgcgagtat ggtcagagga ggaactgggc 420
tgatgg 426

<210> 36317
<211> 223
<212> DNA
<213> Glycine max

<400> 36317

gttttttcag atactaagta gcacatggat gtttctcaca atctgtttac cacagagttt 60
ttactctctg gtaatcgatt accagatcat cgtaatcgat tactattagc gaagatgggt 120
ataaaaaaac tgttaactga atctacaatg ttccaataga tttcaaaatg ttgtaatcga 180
ttacaatgta ttggtaatcg attaccagtg tgctagaacg ttg 223

<210> 36318
<211> 417
<212> DNA
<213> Glycine max

<400> 36318

tgcttgatac tatctgagat ccctttgtcg ttgccttctc ttcgaggggtg aagcttaagg 60
agaaccagg ctcctatctg gtagttcact tcgcgacgtt tcccatcagc ttggcttttc 120
atagcagctt gttccttaga agcttatttc gaatagcttg gaaagtgata tccctgtcag 180
ttaacatctc ttcaacggcc tcaatgttcg aagaccctgt aatatattct ggatagttaa 240
aggttttcgg cttaaaggtaa caccatacgt agtggctcca gttcccacat tccatgaagt 300
attatgggat cattcgaccc acgagaggag cttccccac aagcttggcc gaggatggat 360
gaaggctcgc aaatattggt caattatgcg attcaaaacc tctgtctgtc catcaat 417

<210> 36319
<211> 401
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36319

gtgttttgtt tgtgacttgt angattcaat ttgggcaaaa ttggatgagg gaaagagtgg 60
ttttcgaaat ctgcacttta tgcagaattt tgttgttgaa atgtgcagca gaattttgta 120
taagtgcaga aaaatgctta tgtatggctg gttgtgaaaa gggtagtaca tatgggggttc 180
tggacatttt ctagcagatc ccaacgggtca aaatgtatac ttatgtacta gagacttcca 240
gtaaaatatt tgagtcgac caacgggctaa cgaattggaa cgaaggatat gttactgggg 300
tatttgtatg tgacaagcta tgatcttgag ttgtgttttg ggccaagttt tctgcctttg 360
ccctgttttg cttgcgtttg ttagtccatg atgattggac g 401

<210> 36320

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36320

gacactctcg aacactcacg cttatagaat atgtanataa gagactctga ctatttctta 60
atcattcatg tttccatgga tgaaacaaat gctatttctc ccagaaagga tatttttaat 120
gatgttgcta aatccttata acgaatgcat atccttggac actattctcc agggacaggg 180
agaggaagca ttgaaaatcc tcccgaaaaa gatcatcccc ttgaccacat tattggtgat 240
atctcagaag gggtaacgac taaacattct ctctaagatg tatgctataa tatggctttt 300
ttatctaaga ttgaacctct aaatataaaa gaagccgtat tagatgagca ttggatagat 360
gctatgcttg aacaact 377

<210> 36321

<211> 379

<212> DNA

<213> Glycine max

<400> 36321

agctttctta agaaaacttc cttaaaagct taggggggtg acttagtaaa aatgggggtg 60
caaatagcaa ccaggcccac ttggggcctc cagaatattc ctccagaagg ttgttgcttc 120

tggaggaagc aaccctgctc gcoctgggcga gctgggcagc aagcatctcc cctatcttgc 180
tataaatagg ggaggaagtg agaaggaaag gggttcagcc ccttaggcac ttctctctct 240
ttcgaatttg cttggaaaaa ttgtttccgt gaagaaaatc taagccgagg cgcttccgaa 300
acgtttccgt aacgtttttc gtgaagaatt tgcgaaaggt ttcgaccgtt cttcgacgtt 360
cttcatcgat cttcgatct 379

<210> 36322
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36322

tacaactacc caacacaatt caaatgggaa tttgtttgta tttaatatct aaagtaattt 60
aaatgtaaga taatatatat agccatggca ctagaatca aactttaaaa gtataagaac 120
caaaactata atagaaaaaa attagggtag gtagaaaaaa tatattagaa tcaaatatat 180
gtatgtgtag tttcattaca ccaatttaaa tacaatatct tctcaaatga ttaaatatct 240
ttgctaagta ttttcacatg anagtttcat taattcaaac caacctcagg gagctacagg 300
tacaatcttg cccgagcagt atcaaaccga atagaataat cattttcctg caaagcaaca 360
aatttagatt ttatcataat atttcaagtt ttacaactaa taaataag 408

<210> 36323
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36323

acaagctttt atttctctct tcagaacctat gctatgtgct cgcgactggt ctctttcttc 60
cctccgcaac ttgagttcac tattgtctacc ccatagagct ccgcgaaatt tggtccggcc 120
atactcttcc ttgcgagccc tcttgggtctc ttgttcaagg gctcttgagg taattgcatt 180
ctcttcccggt aaccgggcac actccttccg aacgtgtgta gcggccaact tgatcttctc 240
cttggaaggt ttgctcttc ctaactcgct tttagagat tggacttctt cgctctcttc 300
cgggtgcttca aaatcctctt cgctgacgac ttttaacttg gagagccaat ctaaacctcg 360

tatatgaact ttcagccatt cgtggtaccc accaatgata cn 402

<210> 36324
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36324

tatagaatat ataattacat aactaagacc attttagatt ttattcatgg caccttccga 60
 tgaggctaga gtgctathtt ctcccacaaa cgatatttta natgatgttg cagaatcttt 120
 acaatgaatg catattcatg gacaatatcc taaagggtaa gggaaaggaa gcaatgaaga 180
 tcctcccgaa gaagatcatt cccttgacaa cattattggt gatattctca aaggggtaac 240
 aactacacat tctcttaaag atttatgcac taatatggct tttttatcta tgattgaacc 300
 tataaatata aatgacacca tattacatga tcattggata gctgctatgc aagaagaact 360
 aaatcactt 369

<210> 36325
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 36325

agcttctatg aaggttggat ctttgagttt caatgaggtc cttcaatggg gatcttccac 60
 catggagatg tagcggaaaga taaaggagaa gaggtgagag gaggtgtcat ccacttggga 120
 ataagccatg gaaaattgag cttcaccacc atgagagtgc cttggataag aagcttagga 180
 aggaaacttc aatggaggaa aagaaagaga gagagagaaa gagatacagg ggagcacgaa 240
 attgaaggag gaaaagagga agagaagttg aactttgaag tgtgtctcat aagactctca 300
 ttcacaaaag ttacaacaag tggtacacat gtttctatct atatccgagg tagcttcttc 360
 gagaaacttc cttga 375

<210> 36326
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 36326

gcaaaccgat ccaccacat ggttgccctt tgggtgtaaag agtcgatcac ccttcctcta 300
gctctttttt ccgcgtatac ttgggcatac tcaccgcga ttctatgctc gtgggctgtg 360
gctagacctt actcttcttg gtacttggcg atgatagcta gcatgttggg ctccgtctcg 420
cataaacgct gagacaagct tctt 444

<210> 36329
<211> 365
<212> DNA
<213> Glycine max

<400> 36329

agcttggaag gatgcttcaa tggaggatta tattgaggga gagaaagaga gaggggtag 60
cacgaaattg aaggaataaa aaaggagag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt gcacatgctt ctatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 300
cttccttaag aagattccta aagaagctag agcttagcta cacatacctc tctaatagct 360
aagct 365

<210> 36330
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36330

nttcgattca ttctatgtac ccgtgggtgt ccacattgtg ttttgtgtat ttttattctc 60
gtttcattta ctttttatac ccccttttga cgtgcttaag ccattttatt taagtcattt 120
ctcgcttaac ctaaaaataa aataaatttc caccgatcgt ttgaattgta ttatccgtta 180
acttcgggta aaatgaattt cgaccgttcg gtcgtgccgt aaccacgttg gaaataaaaa 240
aaaaggtaaa aaataatata ataataaaaa aacatctttt tagtaaaata aagtggaaaa 300
tcaatcggac gttttctctt tgggatttct cattcttaac cgaattgact aataactaaa 360
gtgaaactaa ggctaaaatc aactcgccta gtcaagctcg tccataaaaa taggtttttg 420
aagtttatca tttcaatttc ttgctaagt 449

tgcaagctgc caccactcc ccagcaattt tgttgcttcc tcctctggag gaacatcttg 60
gaaggcccaa gtgggcctac ttgctatctg caccctctg tttactaaat acacccctg 120
cctttttttg ctgattcttt ttccgtaacg ttacagaact ttacgaattc tgtaacgata 180
cttgttttcc ttccgtaatg ttacggaacc ttacggatta cgtaatcacc cctttttttg 240
ctttcggaat gttacagaac ctacaggatt gtgtaacaat gtttcctttt gatttccggc 300
atgttacgga acttcacgga tcgtgcaaca atgctctctt ttgacttctg gcatgttatg 360

<210> 36334
<211> 429
<212> DNA
<213> Glycine max

<400> 36334

tcgagcctca tcgtgacta ttggtaaagg tcctctatga ttcttacgta gcacacaaca 60
tctcagtcga gggttttgaa ggcattgtta atcacataac taccaataac tatatctcgt 120
tcgcggaaga ggagattcca gttgagggga gagggcaca caaagctcta catgtgtttg 180
tcagatgcat ggaccatgtc gtcgctaagg tactcatcga taatggttca agtttaaagt 240
tgatgccaaa gaccaccttg gagaaacttc cttttaatgc gtcacgtcta aaaccgagtt 300
caatggtagt acgagctttc gacggtagtc ggcgggaggt gatgggggaa attgacatcc 360
ccattcagat agggcccccac acttgcaatg tggttttcca agcgaaggac ataaatccc 420
cctacaact 429

<210> 36335
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36335

gaagctgaac tatcgtgtct gataaacaac nacgtttaag ttgattcang acaancaaga 60
cnaggagcgt gtggaagcat gatgcaaca agcacttgaa ctgcagctgc ttaactcttc 120
tttttggtga tcttggcata cctatacggg ctattaatgc cacaaaatgg tgacctgacg 180
accacagttt tgaactccaa atatggtgga tggaggaacc ttgaagaaac aggaaattca 240

ccaaaacaat gtgtgtggtg gagggatgta aaacaagctt tcaatcaatc tcaacaggga 300
ctggttat 308

<210> 36336
<211> 425
<212> DNA
<213> Glycine max

<400> 36336

tgcaatgaaa gatattgtgt atgtaggagt ctggtgccaa tctatacttt caaaccaagg 60
ccataattca aaataggtaa gatataaatg atgatagtca ttagcacaaa cattgacttc 120
tgcaactgct actaagcttg caatcaaaga tattgtatat atagtaatga actttccatt 180
cagcaacaca aattttgtttt atttgtatgc ttaaactctgt tagattgcct gttcaacttg 240
aaatgtcaaa tttctatctt atatatttta tttggacaat atctaacaaa agatgcaaca 300
aagaagttta ctaaacctta tatcagagat gggcatcaat tctttatata ttgcttgtct 360
ggcacaccac aaattctctt ttgatttggt ttgtccatag attagacttg ctttatatag 420
ttctc 425

<210> 36337
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36337

gggtcccttg agtatgcatg cancgcncca tnggacagan ccnggggcaa aagaccgaga 60
aacaacacct ttacgttagt agaaagacac ccagcgggc ggccaatggg aaanacaac 120
ccacaccaac gcgaacgaaa gaaaaaaaga caaacgaagg agggagagac aaaagcgaaa 180
cacaaccgaa gagacacaac acaagcagcc cgaggngcg aggaccngac ccacgaccaa 240
gaccacaagg gagacaaaac gaaagagcac agaaaagaaa cgaacnacgc acaacaggga 300
ccnacaagga aagaagcggg agcaccgaac gcaagacgag agacaccaac ccagaccaag 360
aacagcgaca cacaggacgg cacaaaaaac cgaaagaaaa agaagaaggg ccaaccacga 420
gccccaaaaa cacagacaca cg 442

<210> 36338
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 36338

tcccgcaccc gtacttggaa ggacctgatt actgctttcc tattgcaata tcagtataat 60
 tccgatatgg ctgccaatcg cactcagcta cagaatatgt tcaagaagga aggtgagacc 120
 tttaaagaat acgcgcacgc gtggagagac ctggcggcac aattggcacc toccatgctc 180
 gaaagggaga tgatcaccat gatggtagac accttgccag tgttttacta tgagaagttg 240
 gtaggttaca tgccatccag cttcgcagac gtagtggttc cgggggaaag aattgaagta 300
 ggggttgaaga gaggggaagtt cgattatgtt tcctctacaa gtgccaatgc taaaagggtc 360
 ggaacaactg tggcaaagag gaaggaggga gatgccacgc ctgtcacttc agcgcccgcg 420
 tgggtta 427

<210> 36339
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 36339

cagagcacct gagctgcagc ttgattcctt gcccgacctt ttttttttat gtgcacccaa 60
 acccaagggtc cgggtgagaa tacaacctcc tttctccctt tgtcgggttg tttaacatag 120
 cttttatttt tcctctcaat tagatctttg actctctcat gaagcttctt cacatagtcc 180
 gcctttgcta gaccttcttt atgcttaaaa acagaaacat taggcatatg caaaagatca 240
 agaggagtta gtgggttaaa accataaaca acttcaaaag gagaacaatt aacggtgc 298

<210> 36340
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36340

taaagtatgc ccgagtcatt catccctatg agaagntgnt tanatattgt cgatcagaat 60
 tgccattcgt tggattatgg ggttgaacca agctcatgct ttttcgaaaa aagttcatca 120

aatcaagttg aagaatggaa gtaactatct tgcaaaaatt ggggcaaaag atgaatcgag 180
 tcacatcact gcttcgtcta ctgccaaca tatttaggat tgttgatgtc cttgttactt 240
 ccagtttcac cttgacaaag atgtcataga ccatgtggaa aatctaaatt gattcaaccc 300
 tatatcctgc acaatacttc aactgtacat cattcgcata catccatgct tttcattggg 360
 tgcattgctc attgcattct ttccttgaaa aagaaaataa aaataaataa at 412

<210> 36341
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 36341

agcttgttta taatactgta ttatgtgttt gtgactttga gaggtgtgaa catgacgggt 60
 ataactcttt ttttgatgaa caaatgttgg ccattgaaca agtaatcatt ttttgttttt 120
 tttttttttt cattttctaa ccttccaact cactttatat gtcgggtcttg aacaattaaa 180
 tgaaaaccaa aaaatctttt gaattttgat tttttttttc tctcttaacc atccaactca 240
 ctttatatat gtcccacttg aataactaaa aagaaactaa aaacatcctt tgaattttga 300
 tttttgtagg tggaaccaat tgagaaaaaa gaagccatct gagtaagatt cctaacagct 360
 attatggatt gagc 374

<210> 36342
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36342

gacacctaga tactcaagct tangcatcgg gagaaacgat ctcatataac aggggtactgt 60
 tgctattttct gaacaaatga ggggtcaacag gcccctgaca gagaaacaat ccagctatca 120
 tgcagtaagt ctacccccac attgggttac catgctgccc caaccatacc tatattgaaa 180
 aacgaacact catgaattga ctgttagaca aagaagtatc cgtgcgcctg caagagataa 240
 taagatgctg acatcatact ccaaaccact gattagacca gactcacacc tcttgtgtta 300
 gatggatcaa ttcttaacac cacagaccgc tatgcagatt acttagatgc aactaataaa 360
 aaaccccgga tattctccat aagcaacggg caaccacacg actacagatc caatccagag 420

aggtagggg

429

<210> 36343
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36343

agctcgctag ctanaacgaa ggtggatnnt ttatctcact ttaggcgcct ctaaatnggg 60
gggaatgtgt ctcaaataatg tgtgggcaac ttttggcttt ggttttcttg ccttgattgc 120
ggttcgaatc tgcgggggtct tgtattggga tgtgccctac gtcctatata tgcgtttctg 180
aagcaatgtg ggcattgcc aattgtcact cgttctcttg ctattgaggc ctaaacgcgc 240
gcccaccaag tgttcgggtga aatgcctcaa tggcattatc gcgtgacttt tgtaaacc aa 300
caacccatgg ggcattttgg tttgcacata tctctatctt tttgggacat gcattcattc 360
ccgacaaatg ctagagtaat tgcccc 386

<210> 36344
<211> 264
<212> DNA
<213> Glycine max

<400> 36344

cctttcattc tgacatcatt caagaactcc ttagaacccc ccaagaacca cagacaaagg 60
ctatgactga aaaagctgtg aaggttggtg aagaggtcaa gttcttctca tattatgctc 120
atcacgttgc cactagtgat catgcagggtg atatcctaaa gaggggtctac atgattccaa 180
aagaaagggg acacattatt ctcaatgggtg tgggccaaca cgcttttcacg ccagatgttt 240
cgaaggggaa ggacttcaaa aaga 264

<210> 36345
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36345

agctttgagg gtgcgtagcc caccctcctt tcatagtaga gtatcgataa tgtgtctacc 60

<210> 36348
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 36348

ctcaacaagt ttcttcacag atatctatca tgaagcagaa aactcgcatt actaccatc 60
 atatctccca aaaggccata cccacgaaat ttaagagaga aagaagtcca cccaaacctg 120
 aaatttcgaa gtccactcg tagccacgca cttcactact ccaaaaacgc cctcctttca 180
 cgatttgggg cagaaatgat ggccaaaggt tgaagctttg ttggggtttc aatggagaat 240
 ggaggagaag aggaagctac gtgagagagg gagagaaaag gcttctgaac ttctttcttt 300
 tggctgagtg aggagagaga aaagctcttt gggttttaaataaaaagggttt tctctttttc 360
 tattatttta ttttaagcaat gccacatgtc tccatttgag tggagcaaga agggcccact 420
 ttcccttttt gactgtgacc catactcagc 450

<210> 36349
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36349

agcttccatc tttgattgaa tnaaggtntt aanttttgca gcancgcaaa gangctgaga 60
 catcttttat cccatccagc gggaagtctg atgacactgc tgattatacc ccgcttgata 120
 gtgtttcttt tattggtgaa ccacacactg atacaacaga actgacagat cctaacttta 180
 atgctgaaga tcctctaaga aatttttatt cctttgatga agaagttatt aaatctgatg 240
 ttcaaa 246

<210> 36350
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 36350

agtgtgaggg gatactaagc attctttgca ccaaagtacc tatcttatcg ataagccacg 60
 aaaggaggcg ttatgggttt ggctccatga ctggtaatga aaataaagag actgtaatgc 120

aaacaaacaa ancagcgcag cgtgacaatn anagangccg ccccaacacc ncaccacgc 60
aagagaanca cacaagaacg gccnnactcn aaagaaacac acaggccnna aaccacncca 120
acaccccagg agggcgcagg caacgcaaga gacaanggcc acaacaaaga acagaccacc 180
aanacgcgna aaggaaggcg acacaaggaa aagggnaacc aagaaaaagg ccaaca 236

<210> 36356
<211> 328
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36356

agtgtgatnc aacaaaatcc agcattgact acaggcttan tttatgacaa gccaanngaa 60
ccgcgcggta ggtttaatag tacaattatt ccctttaat ctttatagca cctatcttgt 120
tacaataaaa cactgagatg agatgaatat gtttactca aaaaaaacgg tccgtcctaa 180
tgttgaaaat gagtattcca ccagataaca atgtgcgaaa tttggaccta attaacttat 240
aaacctaatt aattttaaca acaataaata agtctatatt ttggaggaaa gaaaatttta 300
tctctctcaa caagcataac acagctat 328

<210> 36357
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36357

gaaaaacacc anngaaggac cncaacgaag cacaaagaac gagcncatc agaagcncca 60
caagcaagcn nccatcaagt ggtaatcaga gcacaagagc ttcaagtagg agctccttaa 120
acctccatta attttttttc tttaccttct ctgccattga tgttttttca tttttatcca 180
tgtatctcct cacatgtcgg gcgctaaatg ttgttaacat gattctttac agtttccacc 240
aataaacttg ctatagaaac tagattcgat attctatgga tcaacattct tgctcttget 300
cttgaaccat g 311

<210> 36358
<211> 428

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36358

tagcacgtga agacatggcg cttagtgcaa gggttgttct anattgggtg gaaaactaaa 60
aaattattgt aaggcttttc tgtccatctt ttcacctagg cttaaaaagc ccccttgttc 120
actactaaac gaactgaaaa attaatacata atcataagca actatcctaa ttacatgcaa 180
gagatacaaa atgaaaaaga gaaaagggaa agaaaagttg gggtgcctcc caataagcgc 240
tcttttaatg tcattagctt gaogcatcat cctgttatcc tgtgtccaat aaggttccaa 300
cttccagaac cttcttcttt agtctttggt tcttcatcac attgaccttc aaacaaacat 360
tttggtcagg caaagctctc tcttcatgaa acatatcgaa actgatttgc tgggtcttcta 420
tggccatt 428

<210> 36359
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36359

ggggaacgag tgagacctgg atcctcagta nactngagat ccttagagtg acccgcgga 60
tgcaagcttg tccacaaaaa ataagtcact aaaaaagttt tgatagttaa tcatctcagt 120
tttctgatac aagtaaatgg atcattttta aggtccaacg ccttaaaatg atcacctttc 180
aagtaaaaag aatcgcttga ttcacgctta agaaagaact acgtaggttt gatttcttca 240
tcgatggagg gtacgtagga gcaaaagccc cgcttttgtc gacctcaaaa aataaaaaga 300
aataaaagt aaggttaatac aatttccaca attctaaaaa ataggttggt gtcctttgag 360
acaaacgtga gaggtgctaa taccttcttc aaacgtaatt acaactcccg aacttagaat 420
tttcattttg atcggttccc ttcggttttt ctgatgtttt ccacaaataa acgttggttg 480
cgactccgcg catn 494

<210> 36360
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36360

cctgtatcag tgcgggttcg ggagacaaag gtcaagcggn cgttaantgt tatagatgan 60
atnccgagta ctggggattt ggtacgacca tgctctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggtttta 180
aaagctctat agttgggcct aggctttaga gttttcattt tgttaaagct ttgtgtcttt 240
tgtttttgaa ttataatac aaggatcttt ctctatctgt tcttgggtct taccattctt 300
cattcatttg catgtttact tcttttccta aaacggcaga ttcaatgaca agtccccga 360
aggtactaat acctgngacc cgtctatcaa ctctgagcaa gaaatgaatc aa 412

<210> 36361
<211> 383
<212> DNA
<213> Glycine max

<400> 36361
gaccgcgga tgcaagcttg acagtgcgca ggagcgcaact ccttcacttt tatacattat 60
aactggcggc cgatgaatgg tataataagg acttccttct ctaaccagac ttgtgaaatc 120
gcaaaacaag aataaaaata catctaaaag gagcgtcttc tcgtaagtcc tcgaaacgtt 180
cagcgaatgt gccgtccaag tattctttcg ccattccttct agacacagat ataatagcct 240
aataatagcc ttgtccttat gttctgggtg gatccattaa ttgatagtac ccgctttttg 300
tatcccttat cgacaactaa tttgtcagcc atctagttat gatggtagac atatgatcat 360
aactttgatc acgcgcccat att 383

<210> 36362
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36362

acaccttaga atactcaacc ttgtgagtct ccagacgacg atagtaaaaa cctgcaaaan 60
tttgattttt ttcagaatcg gacgaccagg atcattcaga taccgtcgaa ttcgttcacc 120
tcgattgatg aaaggagcgg atgatcataa ggtatctctg cctgccacct aacttgctgt 180

ccctggatga caaaagggtgc ggaagacgat gttattctct gtatgtcaac gggctcgttt 240
 gcccctggtt aacgaaaggt gcggataacc atacagtatc cccgcatgtc acctgacttc 300
 atgggtcagg atgacaaaag gtgcagaaca cgatgttagt ctctgcgcgt caacgagctc 360
 gtttgcccct ggttgacgaa aggtgtggat aaccatgcgg taccctcgca tgtcattgga 420
 cttggcat 428

<210> 36363
 <211> 318
 <212> DNA
 <213> Glycine max
 <400> 36363

agcttgagg aggagaaaca tgggaccttc ctattgtatt tcaaacaag aagtcgtgtc 60
 cagtcaaggc tctgacagac catacaagct tctaacgat ttctaattat gtgggccatt 120
 aagtctatca tatgctgaca atagccgaga agcccatgaa tctcttctgg ggcggagtag 180
 gtgtctgcca tcgccttggc cttggctaac aatcggggaa gctcttgact accgatcaag 240
 gtaagagcaa accgatccat ccacatggct ggctcttggc gtaaagagta gatcaccctt 300
 cctctagcct gtttttgc 318

<210> 36364
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36364

agacaatgcy aaactttgac nctctaccct tgtannaccc aacttagaca cgcaccggca 60
 ctaccaaagg gataaagaga atttttcatt gnatggacnc aaccacacgg gccaccgagc 120
 ccatcaagag nacacaacac cccgcccagc ccgcgaacac ccacacaggc agaacacacn 180
 acggacacgg cccgagcnga ggccagcaac cgcaggagga accgacaacc acagaaagcc 240
 aaggcgaacc aaaccagcca caaggacccc gcacgacgca aggcaccaan caccacaacca 300
 cgagcngccn ncacagcgca cgcgagagca aacaacacga cgacccggcg cgcaaggggc 360
 aaagaccgag aaaaacacga ccgggaccaa cccaaaagag caaacaagca gagcnccgcy 420

gangacaaac ccgagagcca aacgaaccag c

451

<210> 36365

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36365

agcttatcaa ggaagctacc tagtctangt anagaaacat gtgtaacact tgttgagac 60

tttgatgaat gatagtcttg cgagacacaa ctcaaagttc aacttctctc cctcttttat 120

tccttcaatt tcgtgctccc cccttctctc tttctttttc tccattaaag catcctcttc 180

aagcttctta tccaagacaa ttcttggtgg tgaagctctt tcttccctgg cttattccct 240

agtgaatggt gcctccctc tcctcttctc ctttgccttc cgctgcatct ccatgggtgta 300

aatcaccat tgaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 360

agcaagcttc ca 372

<210> 36366

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36366

agatgagctg ctccaaggga tatcaaaggg ggtacatang tgnaaactct taagcncat 60

cgncctcgag gaaccctcca tctctggcaa tccatacccc acaacacaa ccatgaaac 120

tcgatgttcc gcaacttcggc ggcattggatc cttttggttg gatcttcaaa ataacacaat 180

tctttgagta tcatgaaacc ccagaccatg atcatctcac catagcttcc atctacatgg 240

aaggacttac actcgtgggt tccaatggat gatgcaaaat ggccagattt cctcctgggt 300

aggtcttctt caagccttgg acgcccgttt tgcagtgtct caatatgagg atcctacaag 360

tatttgttta aactcactca caaaggcact gtaacagaat at 402

<210> 36367

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 36367

gaggcccggtt gagacgactg canccccan cacaaccgcc gagaangaaa aggagaagag 60
 caaattgtta acgccagcga aaccgggggg gaagcgagca ccccnccacc cggcggggcga 120
 aaaaagcgca acgaaggaca caaacacccc cggaacagac aacccgagcg gaccccgaaa 180
 ccaagcaaga accccaaaag cccggcgaac cgggacgaaa cgaaaaggag gcccaacgcc 240
 acaccacaa gaaagcgccg cagcgagac cgaaaggaaa accacccggg cagcggaaac 300
 acaccgacgc gacgcaaagg aggacgc 327

<210> 36368
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 36368
 ggtctgattg atcacctaaa acggcagccc caagcaaagt tctttggacc aacgggggga 60
 tacaacaccc caacaggggg acggacagaa taccacacaa ccgggcagga cggcccaacc 120
 gaaccgagga tcacacctgc cgccgagaag gagcgcgaca cgaaacatcc ccagcaaca 180
 aaacgcgcaa gagacacaca gcggaaacaa aagcacgccc catagaagac caaacaggg 240
 gaccaccga cgaggagacc ggacaccgac aaagagac 278

<210> 36369
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36369

gcgcctccc ttgattcnat tgctttgcan nctcgcaga ttctgtaaag cgactatgcg 60
 gcatgcaagc ttgtaagcaa atgaacaagg ttaaagttga ttatcctgcg cagagcacag 120
 gctggtgcgt atattatcca tcattccgc ctttatcata gcggtcaata gtgataacct 180
 ttgcttactt cttctgtagt ggaatacggg ttgcgaaaag gttttgctct tttcttttcg 240
 gactaaaaac atgtcacctt acttgagaac tgtccctgca aagatatatg tacatatata 300
 tacatacata tataaataag acagaagaga aacaagcgat tctatatata tagtagcagc 360

cgtaaagcgg caggagggca taaaagataa agatccatcc atcgcgaaaa aaacgacaaa 420
gacgttgtgc ggaaagagta aagaaagaca cttgacatac c 461

<210> 36370
<211> 661
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36370

cccccccccac caaaccttgc aaggaataat aaaaagaaga atntaaatac ttttctctn 60
cnnnnnnnna agggcgnggt ttgaatcgag acaatgcnan nccnganana tanaaacaca 120
agccccgggcg gcgnacaang acacactcaa cacgcaaact ctgggattct caagcgngag 180
gacagagaca cggcgaggcg ggcantactg caccacaaaa gactccgaga gacntnctct 240
gaccaggaac aacacataaa acatgcgaga acgtacatgc acatggcaga agacagtact 300
gagagggaca cttgaagtaa aactgagggc agggccgcag tcgctccgca agataacacg 360
acaaccactc tctcgacggg ggaagaggac gagatcgga catgtacacg aaccggggcag 420
cacaaaatac aagcagtcgg gcaacgacaa gcagcacaac aacgccgata gaagttcatt 480
gtgtagtcca gaaggacctc agaacgcaag attgatggcg gcgtgacgca ngactagacc 540
caagcgcagc acaagacact catcacggcg accttgata atgtatcact ggatcaaaga 600
gggatcacat agaacaggcc caagtacgag gaaacaagac cggacggacc gacagacaac 660
g 661

<210> 36371
<211> 285
<212> DNA
<213> Glycine max

<400> 36371

agcttttatg cctcagatct tcttcattat tggagtcttt cgcttcttga agatcagtgg 60
tagcataata gagaaggaag atagatgatt ggagatgcc cttcaaggag aagatgattc 120
aagaacaagc tccccaccat aggaagccat tgattaaagc ttgtatgtac gaaaagatga 180
gtggagggag aaaaagaaaa agagcaagaa aatttttgcc ctaatgaggt ctaaaacttt 240
gagtgaatt ctgaaatgga taaaagtga aaaaaaggcc cccca 285

<210> 36372
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 36372

tacaatcatt tctataaaga atattattgg aagcatgtct taatttgctt acgaaatcca 60
 taccttgtgg gtcgttgaat ctcagttgag tcagttctgc aatctcactc agattcttgt 120
 tctaataaga taaaaaaaaat gaaaccaaga gtggaaaggg ctttccacgt acgaatcaga 180
 cacaagccga ttccacgttc acaaaatcac cagtttccca acctttttct tatcatcaat 240
 tgtctctttt tattctcact tccttaaate aggaatagca aagggaagt ggccatgcat 300
 atgcaagcac ccacaatcag tcttaacact gcaagggtccc catcttcatt agctgcagct 360
 gccaatgctg gcctgcgacc gcacctcacc cctatggctt taaagtcacc tttcttatgt 420
 agttccctta acctcttact tcacc 445

<210> 36373
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 36373

tggaagtggc ggctacaagt acgaacgatg cccagggatg ccaactatct ggtgcaacag 60
 gaagagggaa cattagatgc tctgagcttg gtcttccttg cctctggaaa attaaactgtg 120
 gggtcattca tattccaata gtctcttatg atataagcta agtcaatgac cagccttatg 180
 ttttcatagg aggtaagagc atcagatcca actccctcgt atctacacaa ggctgtgatt 240
 aaagctggga agcctaatacg agaagagtta gactgagcca taatagtcaa ttgtgcagag 300
 atcaaaactac caatgtgcat gtccatcctt gtgattaagc catagaccaa cctac 355

<210> 36374
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 36374

gcgcccctga tgagcatgcc cttgaaagcg gcaaaaaccg gccggcagaa taataaggac 60

gaaacggggg agacggcacc ccccccaaac ccagccgcca accggaaaag gacgaaaccg 120
 caaaagcaca aacaagccaa cgggcgaaga gcccccgga ccaccagcaa cggagcgacg 180
 accggacgaa gccacgaaac ggccagcaca cgacagcccg agaagggacc aaaccaaaaa 240
 agaacgaggg ggaaagcaaa g 261

<210> 36375
 <211> 625
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36375

agagcgctac ctttttgatt taatgctcat agcnannnac gngacactna tagaatacat 60
 caagccttgc atggtaganc acagaagttg acaataagtg aanaccaaca tgttaccnna 120
 ttgngtgtac tgaancacna caggcgccat gaaacatggg tgatcattgt gtatagacta 180
 gtacatatgc gtcaccccca cgctgagatt gtgcctactc agaggctaga taccacacct 240
 tacggaccaa tgagcccatt gacttatgtg ctatatatct ncgcgaggag agtcatctga 300
 tcttctcaat ttaacgggtc aagagcgaaa cactatgcca ctccaacatg tgacgacttc 360
 tatgaatgca gatgncatca actcacccca tctcctctat gtcttcaactg tctcgggcag 420
 tatcgcatta gtgcagaaaag atcctcagta ctatgcttca tcgcatcagt gaggtcgaaa 480
 agacgtgcgt tnaagatctc tatttgtgtaa ctaccacata ttaatagact acgcactgct 540
 tattgactct cgcgagcatt cgtcatgaca tcggagagcc tagtcttgaa cacttgcac 600
 gtgggctatt aaacacacat tcgcg 625

<210> 36376
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36376

tgtaaataatt tattggtata atttgcttgg ccattttgct ctattgtctt tagaggttat 60
 ttctcgttgc acatcttttg tcttgaatgg aattgccatg acagggtttat tgttactgtc 120
 tttgatattt ggtagttgat attgtgttgc gggaggtaat tccgattgga ttaactcacc 180

atccttcact ttccaatttg ttatgacatt tgttggtgga tcacctatga tgtcttgttt 240
ccaagggtaa tctatatacct ttctgatggc ataagcatga aaccaatcaa agaaaaggac 300
attaattntg cctctttcga caaatcgtga gaacttgtct tggatttggt ttctgggtgt 360
acccttgtaa tgttggaata ccatatcctt tgagggtcat tctccggaga ataaaaatct 420
tt 422

<210> 36377
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36377

aggagtcana tctgatctct gnnanatcaa gacctngana gaaaacgcag cgtgcnagct 60
nagagnctta caccaagaag cgnaccttgc gtttttaana agaaccacac caaccggacc 120
atgttgattt ggtgggggagc cctcttgacg gagactcaag cactgtatcg aggggaatct 180
ccactaaagg cctgcgcaac acaacaacat aaagacttgc ttagtaaata aggcaccttg 240
aatctaagca aaaaacaaca ctctacttta actcaacttc acgatattct actttttttt 300
actggcttca cgatattgta ctagaaacag gtaaacttca tgctaaaaaa ctaatctcaa 360
gaacgaattg tcttttactt tttaaatacc acttatgcga atgtcgatca gaaaacaaga 420
cactcataaa tggagaaaaa aatgtgatga ccatttatca agcaccg 467

<210> 36378
<211> 242
<212> DNA
<213> Glycine max

<400> 36378

catggccggg ctaacctaga ccaattgggc cacctgcatt cccacattcc aggctggtag 60
cctagagcat gaaggggagt gtgttgaaaa gccacttaat cacggtcaac ctagctcgcc 120
ttagatacgg cctcattggg ggctgacatt ttttttatca gcgaaaatat ataatcatat 180
tgaactgagt tccacagga ccaaggctac aatttaatac atcaagcaaa aggttccaat 240
at 242

<210> 36379
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 36379

ggaacaacac aggggagttt caagaaatga agagcccccg gttgatgcat ggacggagat 60
 gaaaaagatc atgaggaagc ggcattgtgcc ggctactaac tcacgggact tgaaattcaa 120
 gctccaaaaa ctaacccaac gcaactatgg ggttgaggag tattttaagg aaatggatgt 180
 gctcatgatt caagcaaata ttgaagaaaa tgaggaggta aatacggctc gattgcttaa 240
 tgggttgact aacgatatct gcgatacctg cacgagcttg ttgaaaagga tgatttgctt 300
 cccaaagcac tcc 313

<210> 36380
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 36380

ccacaagcac accggggggtt gaaacctgct accccacaac acaggcgcaa tatctgaacc 60
 gttgaaaaag atgagagtcg ctaggaaccc cacattcaaa atcctgtatc agtcaatata 120
 tgctgaatat acaacatgca aacacgtaac gccttaccgg aatggaatat agcttttccc 180
 aaaacctata ccatcatgac aaaaaagcgg ccggccaaga tttagaggag cattaagaca 240
 cattatcatc taaagaacag atcaactcct tttcaggccg cta 283

<210> 36381
 <211> 122
 <212> DNA
 <213> Glycine max

<400> 36381

tattgagttt agggtagaaa acaactagta tttaggaagg agcactccat tcattcttat 60
 ccaggaaaac aatactcact tagtccgtat atataaatgt ccttgcatga cgtaccgcaa 120
 ac 122

<210> 36382

<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36382

aggaataagt tgaaactgag gactttgcan nacgcgacac tatagaaact cacgcggcca 60
aatgatcgg ccaaacaaga ctttttcttt tagttcccac gcaccacacg aggacacggg 120
gaaatttgca gccaccactg accccctcgg accacaatgg caaggacacc cgaggagaca 180
gaagattcag agtcccttat caaagctcag acggaagaag cccccacgac catggtatga 240
cgctcggact atcaagaaga agaagaagag ggactccctt ccttgccttg aaaaactcac 300
gatcaccctt gtcacacgag tggaccaacc ctgatcttct cagacgagtg tacacataac 360
gcctctaggc tgggcccaca cgaaacatgg gtcggcacac tgccgaacag aacaaagcga 420
cacaccgaag gaccatatag ggcgccaagg cggaaccc 458

<210> 36383
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36383

caattccaca gaengccctg gggaatctaa agatgtaact ctccacacgg ttcttgaatt 60
tctcaaactg gtcttaagtt tttctaaaag ttataactct tctaaatggg tgtcttgacc 120
agacatgaag agtctataaa aacaaggctt tgttttgcat tacaattatc ttgaacactt 180
attcatacaa tcttttataa gccttaaate tctttgaaact tctttcttct atttgaacca 240
aaagccttct gaagttttct ggtctcccaa agcttgaaaa cctgtgctat tcatcttttc 300
attctcttcc ccctttgcca aaaagaattc tc 332

<210> 36384
<211> 358
<212> DNA
<213> Glycine max

<400> 36384

ttataaaaag acttgcttct tcaagccgag gtttttacct ggcaaccact agcactcggc 60

tgggattgtg ttcttatttt ccttgcataa acgtacatct tctaagctcc attttcttga 120
 agaattatcg toctataatc acgtaagtga tcttttaaca ctactatctt tactatgaat 180
 attatgacga aacttagtaa ttaaagatga ttgttttaca aatgtatatc aatgttctaa 240
 cactaaactc ttgatatatc aaattcacac gaaaatatat atttcggatt ctgaaaaaat 300
 tcatactttt gttgaaatct tactgctatt aactcaataa cattatctta ctttcctt 358

<210> 36385
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36385

ccgcccacaa gcgaaaaagg atnttntttc aanaatcaaa ggtgagaagc aangnaacnc 60
 anacaacgaa aaggagggggg tggatgagca tgcacaccan cnnanaaann naagacacgg 120
 caaacaaaag ggaaacaaag aagagaatat tattttaaac gaaagggacg acggaggagg 180
 gaggggacga gaaaacaaac aggagcaaaa aggacaaaag gaagccacaa acaagacgag 240
 agacaggccg aaaaacaaaa aggtgggagg cggacaagag acggaacagc gagggcaaaa 300
 caaagaacag gggaagagcc cgacagcggc caaaggaaga gaaaccagac acgcgaatgg 360
 aagggaccgg aggaaagaaa gaaagaccgg agccaggagc ggagaagcgg aacacgggga 420
 acaggggacg aaagcaaagg cacggggccg aaggaaagac aaactaaaag gaagaaagaa 480
 aaacc 485

<210> 36386
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36386

ggccctcanag aggtccagga aggacaaggc ggccgaagga acatgttctt ccccgagta 60
 cgacagtcac cgcttttagga gcgttgtaca ccagcagcgc tttgaagcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg attttcagga 180
 ggaaataggg cgccggcggc gggcaccact ggttactcct atggccaagt ttgatccaga 240

aatagtcctt gaattttatg ctaatgcttg gccaacagag gagggcgtgc gtgacatgag 300
atcctggggtt aggggtcagt g gatcccggtt cgatgccgac gctatcagcc agctcctggg 360
atatccgatg gtgttggaag agggccagga atgcgagtat ggccagagga ggaaccggtc 420
tgatgggttc gatga 435

<210> 36387
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36387

gcctcgccca caccagcgta cgccacatng acgggaagga gagggagaaa acgatgaanc 60
aaagaanaga aaagatgtta taaaccnccc ccaagcncgc aaaggctttg aagcatacca 120
gnacacgcga nncatanaac gaccgcagcc tgcaagcnag aaagaaacac caaagncgaa 180
gttaacaatg gacccacgcg gaaaaacaaa agcgaaagca gaggacacaa ctgcccact 240
ggccgacacg cccacgaatg ataaagcacc gcggagaaac agcaggacca ccgaaacaag 300
gggcacagac aggagaaagc cgcgaaacaaa cacacaagca aacccaaacc cctgcggcac 360
gaccacgaac acaaaacacc cagcgaacaa gcgaaccaga agaggcgcgga aaacaccaca 420
agacacgaaa cgctcaaaac ggcaagcaac cgcagcgaca acaagcagag cagggcccca 480
cacaagccaa acgcaaagca cacacaaagc ccccc 515

<210> 36388
<211> 228
<212> DNA
<213> Glycine max

<400> 36388

accccttcca ctcgcatata gaatattatt cttagaggttc tctctcacat tgacgacaaa 60
taaaactcac ctgttaaggg aaaccatgca ttaatatcac tgatagatta tcaacacttc 120
cgatttcacc acaaaaacct ctataatgta caatcacatt cacaaaatgt catacaatta 180
tctcgcgaca taataccata atcacatctc tactctgtta caaaacct 228

<210> 36389
<211> 240

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36389

agctttgcat aatgagaatc tgttcctcta ataaactctg caacttanca tctgaagtct 60
gggagctttg agcagatggg gttgttgata ctggcgaaga gggaaacacca gctgctctgg 120
acctggtttt ccttgccctt ggaaaattaa ctatttggtc attcacattc caacatttgc 180
ttttaatata ggccaagata atgaccagcc tcatgctctt gtttagctgta agagcatcag 240

<210> 36390
<211> 461
<212> DNA
<213> Glycine max

<400> 36390

acctatagaa actcaagctt gagcttgccc tccattatga gcatggagga gtttgtctca 60
tttgtggcct ggccaggaga ccagtcttct ggctctatag ggggtggggc ctccacaacc 120
caggagcctg tgactaagga gcctgcagca gaggaagaga ccaactccage tcagactcct 180
cagccatctc caccatctga acctgctcct gacgagactc aaccatcacc agcactggat 240
cttaatgaag accagccaca ggaggagcag gacgtttaat tttttttttt tgcattatga 300
acacttttagt tttatttcag ttattttatg ctttatgtca tttaaatttc agcttttata 360
tttcagtagc atagtgtgtt gtttgcttga acaaaaagct tgattgaaca gtgaattgat 420
tgaacattgc atgcagtgga ttgtttggta tggaatgagt g 461

<210> 36391
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36391

ccccacaccg caaacgacgc aggaaaagga taaanatgan gttaaaggga gatagagacg 60
aaaacaacaa aaannntnna annccaacag cagccacnt gatgcagcat agaagaccgc 120
agannccaaa acgaccggg cagcaacng cacaaaagaa acaaagccgt tagcacaagc 180
agcgcgcccc aacgggggaaa accacagcca acccccaccc ccagggcggc ccacagaaaa 240

<211> 135
<212> DNA
<213> Glycine max

<400> 36394

cacacgtact gccaaaggtgt attagttact tacatcacac acatatcctt ggctaaattc 60
acatacatgc atactcaaag cattttgggg gacaaaaaat tgcacatgtg cacatctagg 120
tattcataat accta 135

<210> 36395
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36395

ccgccccct ttggatttga tgcacatggc annancncan ccatanagaa cacaagcccg 60
gngcgcagan cccacgagca ggacgaggca ccattttaat taccctcgaa ggcaaagacg 120
accggacacg ggaggattat acgaaaaccc ctctcgcaag accagaggaa actcacgcag 180
ataatgacag atcacccaaa ggagaccgaa gactcaagcc gagaaccctc taggaagacc 240
aggcctagac taatcacgaa gcatggaaca acgagaacaa agccgaaact aaacacgcag 300
atccctcgag agagactaac gggcaaaccc gcatggacca gagggtaaag cagcaagaca 360
cacgccgatg cgaaagggac gcaactatgc acacgaacgg gcggagcgga ccacaggcac 420
accaacagaa cgcacggacg aggcatgaac acaagaacca agcaaggcag ggacgcaana 480
cccg 484

<210> 36396
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36396

aaagcccacc ctaacgcata caacacctta tcataagtag aataattaag ggtaagacca 60
cttaactttt cactaaaata agcaattgga tgaccttctt gcatcaacac agccccaatc 120
ccaacatttg aagcatcaca ctcaatttaa aaagatttta gaaagtctgg caatgcaagt 180

atgggggcat tagctagctt tagcttaaga acatagaaat cttcttctag tttatctaca 240
catctcacac caacattttt ttagcacttc attgagaggt gctgccaatg tgctataatn 300
ctacccaaat cgcctataaa accttgctga accatgaaaa ctcc 344

<210> 36397
<211> 358
<212> DNA
<213> Glycine max

<400> 36397
agcttttata ttttatatgc aaggaagcat gacttatgcc taggaatcta aattttgggt 60
ttgaatgtaa aaaggcatga atattaggac atgtttgaga ggttttatta gaatttaa 120
ttggctgccc catgaggaat accttgccacc tacgtagcat ggaaaatacc tttcaacggt 180
atgtatatat gtgaatgtat atggcataaa aataccttgc aaagtgtgaa tgaatagcaa 240
aaaatgcctt tcaaaatatg tatatttggtg gataggtagc gtaaaaatgc ctttcaaaat 300
atgtatatct gtggataggt agcataagga gctctctttt tttttaaaaa aatgtacc 358

<210> 36398
<211> 207
<212> DNA
<213> Glycine max

<400> 36398
ttccatacca ctaaacttaa ggtcgataat ggaacgagat gataaaaagat tggagtaccc 60
tttctgctgg acgaccgaat aatacaatgg ggaagacgac aatgaggatg gaatgggtgc 120
taaggatgcc ctaaaggctc ctgaccgacg agcacttgaa gccgtagcgg aggcggaaaa 180
accctttcat ttcttagaca attctgc 207

<210> 36399
<211> 352
<212> DNA
<213> Glycine max

<400> 36399
agcttttttaa ttctcatgac tgcttttaa 60
gaacatcatg acaattggga ttcataat 120

aggtccttgg accaaatddd gatgactatc tttaatggtc tggtaaaaga ggctaaattd 180
 tttgcaacat gcaatctacg ttagtgcatd tggttgaagg taacacatat ttaaggtdtd 240
 ttgggctcag cagctgattt ggaataagaa taggtgttdc acttdctgttd ggtgcaaaag 300
 caataaatca aggggtatccc taacagagag actgagagat gaggtaactt ta 352

<210> 36400
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36400

acactttaga aactcaacct ggatgttdctt agattggata tcttgcccaa cagacangtd 60
 ctdctatatt tgaaaaacca gacccgagga gggtdcaaga tgtcgagagt ccgtcttdta 120
 tgggcacaca cacagactgc atgcgcaata atttggaga accaaaacaa gataactctt 180
 tcatggtaat ggctggaggd ataatatgac ttatgttdtdt gcgttdtdtdgc tcaatgcctt 240
 gtgttdcatt attgtagtdt gcaacatcac aggttaaaat ttdaatctag catttggtat 300
 taaagcatta atagcctctg ccttdgttdat ttdtggtdtdt cagtatttdat ttgatttaac 360
 ttccgttatg gtatctagag cctcatttdgt tataaataag atgacaaatc tcttatttdt 420
 ggtcg 425

<210> 36401
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36401

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 atgaaaagag caatttdggac agtdtdggtga aggccatatc tggagtatct gtdgctagtc 120
 aacctgaaca tacaaaggtd agcaaggcca aacagaggcg agagaaaaga gctcaacaag 180
 aagcagaaaag ggagcagaga atccaatcag agcagagtga cattataagt gatcgtatga 240
 ttgagaacga gaaattggaa aagaagtdga agcctcttdg ttdgactgtd tgtgaaataa 300
 agcctgatgg gcactgcctc tatagagccg tggaggatca gctggccctc 350

gtgnagncta taaatcctgt cagcaggccg atgctacagt tactgggtat ttcttccatg 120
 ttcattgcat cgtaagtttt aacaaactat tcatgatttt acaaagtgtg tgtgtttggt 180
 ctcaccctaa gaagtactga atcgcttctc cctcttggat tcgcattgag atcttgtcaa 240
 agatagtaaa tgcttagtta ttgactattg ctcacaaaaa tgattattct ttgggggtata 300
 accacatggg ctttttgact ctcatgatat ctatctattc cttattaata ttgcaaaggc 360
 tagcctcaaa caatcatggt gcactgctga tctgctaata cacattgtta atat 414

<210> 36405
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 36405

ttgcttttaa tcaccatcgt acctccaaac ctatatacat ccactcactc taacaacaat 60
 ctcacagcct gtactttatt tgtatttact aataacttat ctttaaaatt aattaagtct 120
 aatcatgaga aaattaaaaa atcttaatca agtgaattta ttgctatttt gtgattgaat 180
 tttaaatata aatttaacta atacctacac tatgttgcac aaagataatg taaatatgta 240
 ctgacttata taggcaaaca atgcaatttg tgtgatgatt aaagtgtgat taatagtaat 300
 taatcataat acctttgtgg aggattgagt tc 332

<210> 36406
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 36406

aaagttattg gcgggggaat ttgctcagag gttcaacatt caatttcgag cgtctcgta 60
 tattacagga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 120
 gcttcaacat tcaatttcga gcgtctcgat atatgacagg acgcaatcag acatccgagt 180
 aaaaagttat tgtcgttgga attagctcag aggttctaca ttcaatttcg agcgtctcat 240
 tatattacag gactcaatga gacatctgac taatacgta ttgtcgtttg aattggctca 300
 gaacttctac attcaattac gagcgtctcg atatatgaca tgactcaatc agacatccga 360
 gtaaaagtta ttgtcgatg aattcg 386

<210> 36407
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 36407

agctttctct aaatttacat tgatgtttgt atttatggga ggagggtgta tgtcattttt 60
 gttttaagag tagtgtccca ctggtaaaac taactttcca aatgtttgcc ttgcgaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc cgaaggaact 180
 agttccgctc cggagtatga tagtcaccgc tttaggagtg ctgtacacca gcagcgcttc 240
 gaggccatca agggatggtc gtttctccgg gagcgacgcg tccagctcag ggacgacgag 300
 tatactgatt tccatgagga aatatggcgc cggcgggtggg c 341

<210> 36408
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36408

tcttgcgtag ccgctcttgg tgctcagaac atcccaaaa cttatccctc ttattactag 60
 ctattttgaa ttctttagtt cctgaatgta caactttcaa attgttggtc gttccctctt 120
 ttgttttatg caaaaaatga aatcaatatc aaacaaaaca tgcatacaat tgtcatcggt 180
 attgctactt gaaccataag gaataccatc taaagaagta cttcaaaaacg tttattttatt 240
 ttttttggtg ttttttgaat tacaatttga cttcaatatc taatttttta atgtacttag 300
 gtggaggatg ttgacgaaga gaacgagaag gaagaaagta atttaaagaa gattaaggaa 360
 gtgtcacatt ttttttccct cagcaaggaa gtgtcacatg aatgctcggt ggtgaacaag 420
 cataaggcca tttggatgac agagcctt 448

<210> 36409
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36409

ccacccaccc aagaaacgga atttnntaat ntaaaacaag ggataggaaa aagagagcaa 60
 aaannnaggg gcgggacgag tgaatcagca tgcaaacaag cgacacgccc gggaccgaac 120
 aagaacgaag aggaacttta tctaaccana acacacccaa acaggacggc aaacacgaca 180
 aaaaacgaag acggaaaacg aggaaaacca acaacaacaa cacaacagcg aagcaaggaa 240
 atagaaaccc aagagaaaca aaccgcagaa gaacagaaga caagacaaga aagaaacaaa 300
 aaagaaggaa aaagatgaac cgaacaaaca caccgcccaca agagcgaacc agaacaaccg 360
 aaaaaaaccc gcaaccaaga acgagaagaa cggcgagacg aacaaccaga ggggcg 416

<210> 36410
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36410

cgtggggcat atgtacttta agtgagagag aagatatatta aatantggaa taataattaa 60
 tattacgagt aaataacata tacaagatg attaatTTTT acataatcaa tcacatatta 120
 tcatataatg taaattgatt gatagtaata ataaaaatat aaaattcata ttaattatga 180
 tttaagttct aaacattata gatgatatga taaaaaaaaat gtgtataaaa atgagaaatt 240
 aagcaataat gagagaaaat aaaattgaat aatgaaagag agaaagagtg tgaccgtcac 300
 agcttccaat agattggtgt tgtcgtgcaa gtacttgagg acccatgtta gaacactcgc 360
 tgtggtgtca tgtgcagcaa agatgacacc aatgagatta tcaacaactt gagaatctgt 420
 gtgctgctga tagtacatct tgttc 445

<210> 36411
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36411

agtnttatgg aggacaanac aacgccgctc tccgggatct taaggaaaaa tcaactccact 60
 tacggtgacc gatcctccgt taacatcgag actgcacttc atccaaaatc cgaccacggt 120
 tcccaatgcg tgtatgtcta cacaacgtga cctacttgat actcctacca gagaaatcac 180

ccctta

186

<210> 36412
<211> 295
<212> DNA
<213> Glycine max

<400> 36412

cattccaact actatacgtg aaagctcgga gagactaagt gttaaacaat actcgggctt 60
ctgagagata gggggaggtcc aatgccgtgc ctgaaatgga atttagaaca ctcgataag 120
cggcaggcca gaatatatat atagtaatcg agatgtgaca aatggtaatc ataactcatg 180
tgttaaggaa aactggacgg aactcaaagc gaaggaacta cttcaaggaa acagattcta 240
catcgatcat acgcgataca taagggatc tattagcaat atctgcctc cttgt 295

<210> 36413
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36413

ttcacaacaa agagaagaga ttaatgaatg atcgaagana tcattttttg tggatgncnc 60
ctccacctgg ggaacgtgac aatcactaac acactcatct catgctctca tgatggcttc 120
ctctttaagc tcagttctct gccaatcttt gcacaacaaa agctctcaaa actctctgga 180
acttggaact ttatctctct agaaatctct aaacatgaaa aatctttgag aatttcctaa 240
actccctctc catttctgat ttcaggctta aatatgtggc cttgttggtg cttgtgcgct 300
tagcgcaagt ctggctcgct tagtgccat aagtgaatat cggcttaacg ctgctctct 360
cgcttagccg aatcatgcag gtggtgcgta tagtacgatg agtccttgct tacacgtgtg 420

<210> 36414
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36414

gagaggatgc ttcantggag gaaaagagag agggagagaa atagagtttg gggagcacga 60

aatcgaagga ggaaaagatg tatagaagtg gaactctgac gtatgtctca caagactctc 120
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtagcttcct 180
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240
 gctagagctt agctacacac acccctctca taactaagct cacctccttg agaagcttcc 300
 ttaagaagat tcaagctaga gcttagctac acacccccta taatagctaa actcactctc 360
 atgactaaaa acatgagaat aatataaaac agagtcctta ttacagagac aactcataat 420
 gccccgaaat acaac 435

<210> 36415
 <211> 622
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36415

cgcgcacacg ctctttgaaa tcgatgagcn atagcnanna ncgngacacn atagaggaca 60
 tcnagcctcg cgctctctct tacancctgc agtatgtaga agcaagattt ttcacagtag 120
 tatggnaggc nngagcacia gccgcggaac cgggagatct tcttatagag gaacgctgct 180
 ctcaactctc cgtctcggca gacacaaaga gctcggcaag ttttgcaact agcgctgata 240
 tgaatcatag cttgtgtcac tcggactcac aacaccaact cctttcgggtg aatctctggt 300
 gcacgctcgc gcgtgtacag aaaagtttct catagcaaca gagaacatcg atataacagg 360
 gagacgcacc tcaactcttga ctctctacta aagtgcata ttttcgaaag taaaagtatg 420
 ctagtctagc acccgtggag catgtctgtg acgacatgaa acgtccatgc caacgtgagc 480
 ggccagtgca ccatatggga gaaaaaccag agagacacac gtgagacact tagagcggtg 540
 gtgcgcacac ttggagaaca gagtcactta tacctntcga ctctactcag gtccaaacga 600
 gcgtatccgt gcatctcacc cg 622

<210> 36416
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36416

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aattaaatat ataaatttga tcgaatatat tatatttaac ccgattcatt tacatcgcta 120
ttcaattata tgtaaactta tctattagat ttttatcacg ttaatatata aagaattatt 180
attactagaa aatttttaaaa aatattaaaaa gggagttaca ttatataaag tgtttatcag 240
atcaaattga ttcgataaat ctgataattc aaatcaaact aattaaatta gtttgggttg 300
attggttaat tgggttcgttt tactttaatt atgaacaaaa ctgatt 346

<210> 36422
<211> 361
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36422

ttgcntttcg gcattgcaaa caaaatacgg cttcgtggca ctgaaattcc tgactctcga 60
attgttcaaa aaatacttgt aacaattcca gaaaaatatg aagccacatt gacttccttg 120
gagaactcaa aagatctttc tactatcacc ttggcagagc ttttgaccgc acttcaggct 180
ccggaacaaa gaagactcat gagacaagaa ggtactactg aaggggcttt ggtagctaaa 240
tcactggaca aaaaaaagaa gggcaagtca cgaagtcca accacaaaaa tggtagcaaa 300
tcctctcatg attttccatc atgtcctttt ggtaaaaaaa acaatcatct acagacgaag 360
t 361

<210> 36423
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36423

ccgccgccga caaaaaagga agtagaaagt taaaaaaca aagaaaaaga aaagagccaa 60
aaaaaacggc cagagacgtt gatcgtgctc accaggcanc ggccgggagg aaacgaacga 120
ggggacctgt ttaggaccca gccagcgggg gcaacgacaa gccacgaaac cgcgcaaaaa 180
aaccaacaca aaaacgacgc gcggcgaaaa caaaaagaac cagcgggacg cacaagggaa 240
ggggcaaaga cgaaaaaagc ccacaacgca gaggaaggcc gaaacacaag gaaaaagacg 300

agcagaaaag gaaagccgag acagaaacgg gcgggaacgg ggaaaacgca gaaaaaaaaag 360
gagcagccac 370

<210> 36424
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36424

tattggaggg agaattattca atccgaatca tggtaacnttt tgtaacgaag aatcttttttg 60
cggcttttag atgaggacag gtacgagcct ccataaagcg acacacaact cccaccgcat 120
atagaatatc gggcctcgta ttggttagat accttaaact cccacaaga ctcttgaaga 180
ccgtggagtc taccttctct ccttcatcaa actttgataa cttcaagcca cttccatag 240
gtgtgttcac gggattgcaa tcaagcatat taaatttctt caacacttct tttgtgtagc 300
ttccttgtga gacaaagatc ccattctcgg tttgtttcac ttccattccc aagtaatatg 360
acatgagtc catatctgtc atatcaaatt cacgagacat ggactccttg aagtcttcaa 420
acaaatttgg gttattg 437

<210> 36425
<211> 371
<212> DNA
<213> Glycine max

<400> 36425

agcttgtgct tttctattga gtgacttgat gcaattaagt gtttttctct atttaagatt 60
gtttctgtgt tctatgctga gggcaattgt accacacacc gattcctcat gtgaatggac 120
taattctatt taaacctcgt tctcagatgt ctcgtcgaac ttaacctaaa cgaattgcat 180
tacgattaca acatattaaa aactaaaacc ctacactctg tgtccagtaa tgcagttatc 240
tagccctgct ctatctaatt ctaaggattc caaacatttt ccaatgctaa aaatcctaac 300
tttacacaca aatggatgat cagacaaaaa gcatgcaaga attaagtga gataggagca 360
atgaacacat c 371

<210> 36426
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36426

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aattttttat atatgatacc cttacatgaa tgggtcaaacc tcaaattgat tttttttttt 120
gtatgaataa ctctcatggc ttggattttc tgatttttagt tataataatt aacaatatgt 180
gtgtgagtgt tagatagata taagagttat tattcaaatg ttttaatat cttaaaggat 240
ttgcagcggc aaaaatgttg atacgtgtca taccctgatt tcgtccaggg attatcgttc 300
gttgatcttt tgatccttgc tagtcgactt acgggtactga tcgccagtta caatgcgaaa 360
tagatgatca ttcagtgttt tgattaagaa tgcaaaatat accaaaatag gggcaaaagg 420
gtctttt 427

<210> 36427
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36427

agcnttgata atcaatttcg agcgtctcga tatattacgg gactcagtca gacaaccaag 60
tgaaaagtta ttgtcgtttg aatttgctca gagcttcgat attccatttc gagcgtctcg 120
atatattacg agactcaatc agaccaccga gtaaaaagtt attgtcgttt gaatttgctc 180
agagcttcgg cattcaagt 199

<210> 36428
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36428

gagcatatgc aaacgacaat cactttttta cttggatgtc atantgagtc tcgtaatatg 60
tcgagacgcg tcgaaattga agaccgatgc cctgagcaaa ttcgaacgac aataactttt 120
tactcggatg tctgactgag tcccgttaata tatcaagacg ctcgaaattg attatcgaag 180

ctctgagcaa attcaaacga caataacttt ttacttggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaacy acaataatTT 300
 ttactcgta tgttcgattg agtcccgtaa tatatcgaaa cgctcgaaat tgaatgtcga 360
 aactctgagc aaattcaaac gacaacaact atttactcgg atgtatgatt gagtcatgga 420
 atatatcgag atgctagaaa ttg 443

<210> 36429
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 36429

gggtctgcta ctgaacaagg cgaactcgcc ccgggaccta acacggcctc ttactcaatc 60
 ctagcatatc caatacgagg gagataacta tcctgaatgc acaaatgcta ctcggattat 120
 cctgataaga atggccagaa gggcacaaat aaaagagcgg aaacaagctt ctaaaataag 180
 agccccgggac aaagttaccc aggtagaac ccc 213

<210> 36430
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 36430

tgctaattct ggtgtgcaag actatttata atccctaaag tcagaaatgg atccagagat 60
 ggaatgtgtc actattgaaa tatgaatatg aaaaacgttg agaagaaagt ttaaaagcag 120
 ccaaattgga atctataata gttcctactt gtgacttgggt tgaaaatgaa aacagaatga 180
 acatagcatg taaaagaaat ttcaaaattg agaaatcaag aagatttatt tattgttttg 240
 gaaggaagaa agtttgggaa gagggatatca agttgtccta ttccttaatc agagtaccgg 300
 tgaaggccaa ccagcccaa tacottgttt gacaagggca aggcaattca atcttaccta 360
 ccaaccttca catggccatg tctagaaatt cttgagcctt acgcaaaatt tttgtttgag 420
 gcataatcta a 431

<210> 36431
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36431

```
ccgagagcat ngctcatttg agcgttacag cctnttttnc tttgttgctt aagaaaaang 60
ccatcgcgtc ttctttcttt cttccaaagt catctctaac gtcccaagca ctttctccat 120
caccacagc cacgattagc caccacaaac caccgttggt ctccattgaa accccacacc 180
gaggggaacc cttcaaccgt agtgaaatth tccaacttgg ctagcgattt cggtagagaa 240
tgaaacccta atctgacctt tcatttttct ttgaggtaac catgattcca tgtttgtttc 300
agcttgcttt tgcacttttt atgacttttg aaccaccatt gcatgttgta cgcttccttg 360
gtaaaaccaa aatgctctca gctctttcat gaagtaacat ggggtgttga cccagagcat 420
tg 422
```

<210> 36432

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36432

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ctgaaatnga ggggtgggga tttgcctgn atntttctat ttattacttt ccttaacacc 60
cttgtgttca ttatgttcga taaataaaaa tacttttttt ttttttgta tgtgcatgag 120
agtttcaatg ctagttgtca cacaatgta ttacacaaaa gtacctatca cataaagagt 180
ggctatgcaa ttcagaatgc atcaagaagt tttagattgt gtggctacat tctttggaac 240
caaaggcatt gcatggaaaa attactacat acccatatct aacgggaatt tctatttacc 300
tgcttgcttt ttttgaggga gatgtcacca catgttatgc aggatgggtgg aagtagtcaa 360
tattgtatca tcatcatgga ttttcgcaag aatattactc ggtgaaagag cagtctatgc 420
aatgat 426
```

<210> 36433

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36433

taccaaanca caaacctcat ataatgtaga acctcatatt tcatcaatta attctattta 60
 atatattata ctttctaaaa tcagaaaaaa tatgogtata gcatttatct aatatttgag 120
 atgtttcatc aagattaaaa tatcccataa tttacaatt aaaatcattt gatttatatt 180
 ttataaaaat tattaagtag aacatgtgtc taaaatgttc tcttggtgca tcttcctaatt 240
 gtgtctaaaa ttatatgctt caaacacaat ggtgagtcac tttgaagagg caaatcttaa 300
 tacagtttta caagtgtttt gagtgttgc aggcgcacca ctcacat 347

<210> 36434
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36434

ggagagccac cgcgcggtgg ngatatgagg ggacaaggac gagccaaagc gaaagcggaa 60
 gccatgaatg atcgaaataa agctaatttt aaaaaatgtt cttcatatcc caaatcaaca 120
 aatcttgttt ttgtgcaaaa acttacaaat ggcatatctt gcattctatt tgttataaga 180
 actgtgtttt ccaggataag gaatagtggg ggaatgatcg gacgtttctac agaagggaat 240
 ggcctttatc ttcttgagaa gcaatgtatg tcggctatag aaaaaaacta gtctcattca 300
 tgtcagagtc tctacttcca acaaggaaaa gatttttact ctttcattat cagttaggac 360
 atccctcttc t 371

<210> 36435
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36435

agcnnttaca tttccaggcg taaaaccaac ttgagactta gtttgttctc atgtatacca 60
 tctcctctct cttttatata tttagttgct taaggcattg cagacaatga ttattacatt 120
 gtctatgctt ttggcaaaag catatatata taactcaagc tatttggtta gtagctagta 180
 acagatacta tatatgcagc ttcagtagta ttttgaattg cactttctta gtttctctga 240
 aaattacatt ggttttaggg tccaatgcc ttagttgat tgctacact gtcggttcat 300

<210> 36441
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36441

agaggaggag annangtgaa cactgatcct tgtataccca aggcattcga gctcggcccc 60
 gggatcctta agcgactgcg gcatgcaact tcgctttgct taagcatcga agcagtgtcc 120
 ttcaacacct cttttgaata aatcatcacc tagaatcaca taattgacaa ctctatcaat 180
 tgtcgattga ggattcttca agtattcaaa taaaagttta cgccaatcat ctaaagacaa 240
 agtaccaatg ttgagaaccg catattcatc aagtaactta tcttttattt aaatttctct 300
 ttagatatcc tatatcttga agctatttga gctaactcat ttgctctaac atttcaatct 360
 ctatgcacat gtttgaaagc aatgtcatta aatctcttta caaatctaca tgctcgagta 420
 aaatatttca ttaaattaga acttatgn 448

<210> 36442
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 36442

cgcgcataac agcgggggatg ccaatgacta ttaatttttt ttacttaaaa tcccatttac 60
 actagtaacc caaaacacat actaataatg taataaggac ttgaattagc ctttttcctc 120
 tcttaatcaa ttcaaactat tatactgtat ccctatgtgt aaaagaaatt ttgatagttt 180
 gtaaagaaaa acgtaattaa taataagctt ttggtcataa acttgaaata caattcatat 240
 tttaaaaaat atttatgtgt atgatgaatt gtaagtatga tataacgtga tatattaata 300
 aaatatatat gataaatata a 321

<210> 36443
 <211> 816
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36443

ccacgccagc gcnogantac naantanaca gnacgtgaaa agtatnnngt atnnttnant 60
 tttcnnnaaa atnaaaatga atnaantaat agaagaaagn gaagcatact ccantacaaa 120
 gcnennnttn nanannanng nannagaagg gannccnca gcagagcgcg gnacgttttg 180
 acantttggg anngacnant acgccnnana ncccannann nnnnnaancn nnnngcnncn 240
 cacggggggcg anacacganc gaaaacgaan gcacacanag ccagcgcgaga cagcgacacn 300
 tntctatgca ttgtatatata ctacacaaat gacctgaccc gccacacgcg caacacgaca 360
 gcgagaaatga cacgacgcac atcgacagac acagaagcag cagngagcca aagaacctaa 420
 cggagaacaa cacacacacn acacgtatgc acgcaacgcy ggaataaagc gaccgcatag 480
 ctcgggagcg gcacccagac cacagggaca cgcacaacct aggcaccaa ggacaaaaga 540
 atacagatcg cactacacaa aatactcacg agacacgccg acactttctca acgaagcgac 600
 agagacgacg atacactata catccagcaa cagagtacac ggagtgcgcc gcacacgcca 660
 gacagcaatc cgcggcctcc gcgcgaacat caaccggaca caggccact ccanagacag 720
 aagaangaca gcacaacacc cgccgatact aaaggcacga catcatcaac gctaagagaa 780
 agaaagaact gtgacgcaac cacantactc gacacc 816

<210> 36444
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 36444

acaccattga gtacacaagc ctccacaata tccaagcaat gcaatatcca aacatcatga 60
 accatectat ttcaagaaaa cagggcgagag gcagagaact ctgccccaaa cacattccaa 120
 tacaacagct ttccctactc aaatacccca gtaacattct ctttgttccg attcgttaac 180
 cgttggatcg actcgaaaat tttactggag gtccttagta cataattcta cattttgacc 240
 gttgggatct gctagaaaat gttcataacc caatatgtac tacctttccc ataaccagca 300
 atgcacaagc attttttgca caagaacaaa aattctgctg cacaattcaa cagcaatttt 360
 ttgcataata ggcagatttt cgaaatccct cttgccctca tccaattttg ctcaaattgg 420
 atcctacaag tcctaaatca tatataaaat gtatttaaac caaaaaaac tt 472

<210> 36450
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 36450

gcacaagggc caccgaaggg gggtagatcc tgagaaccac tcatgactga cctccaaag 60
 tgaagatgcc cagattgcaa ctatgggcca caaaattcga aaagctgaag atgaaggagg 120
 aaaagtgtat tcatgacttc cacatgaaca ttactgaaat tgccaatgct tgcactgcct 180
 tgggagaaaag gatgacagat gaaatgctgg tgagaaagag cctcagatcc tcgcctaaga 240
 gaattgacat gaaagtcact gcaatcgagg a 271

<210> 36451
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36451

tggaacttng aaaagttgtg tctttataca tgccctttct cttgattggc attngnatng 60
 anagggggcat gggagtctct atcttantca tatgtaaatc atgcatcatc atgtagtgtc 120
 aggaagattg tttctaaaag tagaaacatt tgcagtgcac aaaattctct gttttaattg 180
 attttaaggt tgctcgcaat cgattactta agtgtttgta gcattcagtg agatttctaat 240
 ttcgatttaa tcgattacca gttattcgta atcgattata caatttagtt gagaccatgt 300
 ttgggttttc atgagtctct actttaatcg attactaggt gatcgtaatc gattacttca 360
 ttcttanatt tgctccaaaa gtgatcaaga tcactctaata cgattaaatc aagaatctaa 420
 tcga 424

<210> 36452
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36452

tcatttcgtc taacctacta tgtctatgan gnnncttatn gattggcaaa gtggtgacct 60

aatcaaggta ggaggaaatc ttcaagtctc cgtgccattg ttttagatct cactgccatt 120
 tcactgtttg ggtttgaggt aagcttgggt cgtgcctttg tacatgttca agttgtttgg 180
 acttaatctc tagtcggctt tttgttttca atgtatttgg ttcaagagcc cagtgcagtt 240
 ttgtacatgt ttaatcaata ttgataagga ttatgaagat tagtgttggt tgaagggatt 300
 acatattgaa gttgggatat gtcgtcttgt ccagttaaac ctacgtgtta tgattgggtca 360
 ccctggcccg atagtctggg tgggtagttg tgaactagtc aactagttgc tgtgttgaat 420
 tgaatg 426

<210> 36453
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 36453

agctgtctcc tttttctcat tttatgcata acatgcaagt tcatatttta atttaacggt 60
 tactaacaag actaaaatcc gtaataagat gaaaaataaa ttctcaattt aatacttatt 120
 agtgtatatt taaaagaaag ctgccaaaaa ttagtaatta ttgattatca ttgggacatg 180
 taagaaagac attatgtgtg ctttttttac tgagacaatg ttatttgttt taatagacta 240
 ataatgtaat ttaacatatt gaaacatcaa attataaata ttctgtacaa aattaatggg 300
 atatacgtgt tggatgtatc tattcagcat aaaaagggtc ttggatgt 348

<210> 36454
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 36454

tacctaggag ttctacctga gagtcaaaaa ctctctttat ttatcttaaa aaaatgactc 60
 tgtgtatcaa tgttcttatg gtcatagtgc tatgatacct gttgattagt tgtttttggt 120
 tcaagtgatt ttgtatatta tggttcatgg ttctggactt catgattggt tgtaaaaaaa 180
 tagtaatatc aatctttgat gagaggggaa aggatgcata gatttgaatt gagtgtttgt 240
 ttctttctta ttcaggaag agaccgagtc aggtgagtgt gagacaaggg attcgtacag 300
 cgattcctac agtgaagaga gtgagagtga caaactatgg aggtgggatg gaacttcgtc 360

ataagaagga ggatctgagc acgattgttt gtggcaca

398

<210> 36455
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36455

ccccccccc caaactcact tgaatcaaag aaataaagag aaatagaaac nacnaaaccc 60
 aaaanaaggg aaaagtaagt tcgagcgtcg caaaccaagg cgaaacaaca cgccgcggga 120
 cccagaacg accgaagcag caagctttca cacacacgca ccaagcacng gggagcgag 180
 aaaaccaaga cgcacccccc cccgacaaaa ccagaaaaca acccccacg acccccaggg 240
 acaagcacgg aagcggcggg caagaaaaca cacacacang agaccacag gacaacgaga 300
 ccgcgaccca ggcaccacaa acaacgcaaa acaacaaacc acccgaccac cagccgcca 360
 gccaacgaac caacaaacaa caacgccaca caacaacaac cgagacacgc agaacaccaa 420
 cacaagggca aaagcccaga gccaacccca cacgaagacc aaacaaaaca caccacccc 480
 cc 482

<210> 36456
 <211> 224
 <212> DNA
 <213> Glycine max
 <400> 36456

tgaatctcag acttgaggtt atttgacgtt ccatatatat cgctgatcg aacctaggta 60
 aaagtatgac cattgaatct ttagactccg tgtcattttc gagcgtttat atggagacct 120
 tatgacctcg gtgaaatatg accttgattt cagacttcgt gtcaattgga cggatgaattt 180
 tgcgcgcgac gaatctggaa agtatacata gaatctcaga cttc 224

<210> 36457
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 36457

ttacttttat aagcttgctt tgatctaatt ctgtgaagga ctcaatttca acaatgttgg 60

ctatagagtt ggtgggcctc aaaagaatta ttgatggcat tgaggaatga ctctatttcc 120
 tcatgaagct catcaactac tagatcattg aattttaaag cctcactgat ttcttggtga 180
 aactttcctt tgtagtatgg attcgaaaga gtgtcttcaa ggttctgatc aaaaacaagt 240
 ttttcgaaag gagccacaac ctcatgaaa tgggtaaaag gcatgttggt actcgatttg 300
 gaggccttttg aaggcataga atctgaagac caaacatcac tga 343

<210> 36458
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36458

aaaaaccncc ggcgcgaggg caccatgaag aaagggcacc cccacaccca ccggnngcaa 60
 cccaagggca aaacgagaaa ctacggccaa gagatcacga agagaacacg ncccagagac 120
 aggagaaaaa ggcc 134

<210> 36459
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36459

tngcctccta ttactagaag ttntaaacgt ttgagacaac ttttagaaat ttgaatctaa 60
 atttttaaagc ctgtaattga ttacaacttg tgtgtaattg attaccaaca tgagaattca 120
 aattttcaagt ctgaagagtc acaactcttc agaaattaac tgtgtaatcg attacaacag 180
 ttatgtaatc gattaccaat aatgaatttt cgaaaataac tccaagagt cacaactggt 240
 caaatttttt ttgaatggtc atcaatggcc tataaatcaa ttaccagaca tgaaaattca 300
 aattttcaagt ctgaagagtc acaactcttc agaaactaat tgtgtaatcg attacaacaa 360
 ttatgtaatc gattaccagt aaggaatttt ccg 393

<210> 36460
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 36460

cccttggtg ggccttggtg gccacactgg aatccgcttc aatgtgccct tcctagacca 60
cttcgcgggg agcttcttcg tagccaattc taggttgccct cctagtagca cttctttaac 120
gtcttgagcc gaacgcgtga tgacttgctg gtcacggggc tagtactttt gcttaccttt 180
ggctttggac ttggtcgccct gctggtcggc catgggtcgt aggcaacgct ccagcctttg 240
tagatgagct gaggggcttt ggaggtggtg gcggtgtgtt tgttgccgc tgccggccat 300
cccctagctg ctgtggtgtc tcgccctgcg cctgtctgag ggcacagtac ttcctgatga 360
aagctcgatt agtatgaggc ctgatgacc 389

<210> 36461

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36461

caccccgcca gaaaaagaga tttaaaanaa agaaaaaagn ggaaatacaa aaactatttt 60
gcntcaaacc caagagcggg ggtgatgcag caaccaacca ncnaaanaca gccccggaac 120
ccacaaaacg aaagagcaac atgtcccccc ccaacaaaag ggggaacaaa caccacaccc 180
ccccacgga acagcaccac ccacggaaac cccccaaccc ccagcggggc acacaacgag 240
caacccaaaa aacgacacaa ccaaccgcag cagacaccca caacaacaaa accaaggaag 300
aaccggccg acgcaaagca ccaggaagca cagaacgcaa acaaaaccag cacggagcca 360
ccccccagaa agacgaagaa acccaacaac gccagac 397

<210> 36462

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36462

agggttnatg attgtgcatg canncctag ataggccggg cccaaaggtg ggccaagagg 60
acgggcatta acatattacg tcgacgaagg agtcgggggtt atataaatac cccagacgc 120
acgcagctga aaagaaagga ccgcatagac gaacacaaaa ctccgaggcg acaagagatt 180

aaaggaaaag tcagaaggac aggcgagaaa ggatcacaga gaacactaga aagaggggagc 240
 actggtcaac acccaactgc gtctccacgg atataaggca caatacggat agacacccga 300
 cactcaatat agacactccc aacatatcga gatagaaacg gagaagacta tgtagaagat 360
 acagcccacg tcttagataa cagtgcagga aggacgcaca tcgagactta taagagaaac 420
 taaagcactg gcaaacatac g 441

<210> 36463
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36463

agcntttttat atatcgaggc gctcgaaatt gaacaacggt aagtcttgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtccaatt catgcgcatac acatatagag acgctaaaaa 120
 atgaacaacg gaagctctcc agaagttaaa atgggcataa gttttcac 168

<210> 36464
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36464

ctttgggacc ttgaacaggc aactaactcc tctntcaaaa ctatgctatg tgctcgcgac 60
 tgggtcccttt gggtcctttcg caacttgagt tcactattgc taccocatag agctccgcga 120
 aatttggtcc ggccatactc ttccttgcca gccctcttgg tctcttggtc aagggctctt 180
 gcggtaattg cattctcttc ccgtaacccg gcacactcct tccgaacgtg tgtagcggcc 240
 aacttgaact tctccttggc aagttttgcc tttcctaact cgctttcgag agcttggact 300
 tcttcgtcct ctttcggtgc ttcaaaactc tctttgctga cgacttttaa cttggcgagc 360
 caatctaaac ctcgtatatg aactttcagc cattcgtggt acccaccaat gatgccat 418

<210> 36465
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36465

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agcttttttta actatnngct caaaaagcca cgggagtaat tttttattag tttttaacgc 60
tttttaaacg ttagttgaag tatcattttt taaaacacta atattttaact ttagttttt 120
atattttctt tcatttttat ccttaataata cttgtcaaact ctcttactta tcttttttaa 180
aataaatcat aattttatta ttttcacgta tttcaatagg taattttatt aaatacttat 240
aatttaataa actaaatttg gaatttcagt tattaatttt catgaacata acctaggtca 300
aactagagct ctttaaaaag tcaaactaga gatgc 335
```

<210> 36466
 <211> 422
 <212> DNA
 <213> Glycine max

```
<400> 36466
cgagtttcac gccgagtttt tacatcgagt ttctccggtc tgacgacggc gtggcggtga 60
tgagtctgga gctcacacct gcatgtaaaa gtctgggtgc tctgggtccg gcgatgaacc 120
tcttcgtcca tgcgagcgaa tctgttctcc atcgctcagtt tccactccaa attctcgcg 180
gcgctgtcca attcttcatt cagcatctcg tgtagccgct ccttgcaacat agtcgcaacc 240
ttggaaacga aaacgataca acttctctaa gtctcatgcc ctgcacggcg gacttggaga 300
ccggtggggc gccgtaacgg atacgattgt actcggcgag gtgctcctcg agaccctccc 360
cgtagaagta ataccggtgg gtgactctcg ggaagctgta cgttctctcg agtcccttat 420
tc 422
```

<210> 36467
 <211> 126
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36467

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agcnttgatg ccgatgagca agtcatcacg cgcgcgctca aggaactcgg cggcgggcgcc 60
ggccaccccg ccaagaacga cagcattccc cggccaaatg gcaccggcac tggccggcag 120
cccccc 126
```


<210> 36468
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 36468

gcgcacacc cgctcctacc gcacaggccc ggattttcca tagcggatgc atggtctttg 60
 cagggcggtta tatctctcat aatttcacgc tacactaaaa atacttatgt acaacaatca 120
 cttgacctgc ctgcatgcgc gcctgtgact gtcccccagg cgactgcacc acctcagtcc 180
 tctattagac agtatttatc acatgactct gtcgtactgc cccggctctt ctcttataat 240
 cgccgcttgt a 251

<210> 36469
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36469

actccttgat cagcagcacc cttgtaggca gcngccacaa gcgaaaagca tgtttaccgc 60
 acaaggccgc ggaaaacccc caaaagcgcg aagaaaaaaa cgaacacgcg aagggcggca 120
 aaccggaagc cagagagcga ggccaacgcc gagacgacac cagaaagaaa gacgagaaaa 180
 acagccagcg cggaaaacgc gaaaaaggca acaaaaaccg aagacggaca gaaaaaaaac 240
 ggaaaacaaa gagac 255

<210> 36470
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36470

agagcancac cnnccnttt tgagccaata gtannancac acncnattag annannngnc 60
 ngggggagct agcatgcctc ggattcattg gnaccacaac cagattaatc tgggccattc 120
 gacaccncca accacgcaga gntatttgta gagatacact agacacctca cgttcnacag 180
 gtatacagta ttaattacgt cagcctaacg cgacacacta cctatctcag ctactaacgg 240

atctacatga acacgctaca gagcaggctg ctcgtacgcc aacaaaacac atccctaacg 300
gccttaacgc accagagcta agaatgaata atgggtctatg gagacaggca ctctacagca 360
tatgctacgg tgtactacga ggcgatctac acacgctaca tgaatatacc accgatccgt 420
ctagggacgg accccctatt ccttacgant atagacaacc cctacactga atagtagacc 480
accctactac acaaccactc ttttgccc 508

<210> 36471
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36471

agcaccttat ctgcacctct tactgatagc agtgngatta ctttctgagc tgctgactgg 60
gtaggggtgtt tttccattat cacctcctca tgcagcagca aggatgattt cgttcagatt 120
tgaatatgcc acccaattgc ctccctgtgt cttttgagga cctctaccaa cttggggaca 180
tactctactg aggactccat actgatcact acaagctcgg actcgttctt ctccaagaac 240
acatacttaa tgtgggtggg ttaaattctc aatatcaact tgggtcttcac ctacatgagt 300
gtttacttca tgatctaagt ct 322

<210> 36472
<211> 274
<212> DNA
<213> Glycine max

<400> 36472

ctggaataaaa aagtaataacc agactcgtga ttctaaagct tcacccctgg gcgattttga 60
aaacagcact tcctggaagt caggggaatg aacgcccacc acaaccatta actggaaacc 120
aagctcatga tcgcgttaaa gacattgtaa ccgtgtttgg gaagtccac aagaacacat 180
catctcccaa caacatgtgg aagaaacgct caatattcat tgatcttcca tactgggtctg 240
atctatatgt gcgacactgt ctacatgcta tgcc 274

<210> 36473
<211> 511
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36473

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agcccgtana cctgatngct agtactttcg cancttgcta anacgggga toctcagagt 60
cacctgcagc atgcaagctt atttatccac aattntgcat atcatctttt tatttgacta 120
tanatattaa tggttggttg ctcagtatta atttcatgta ttttttcctt tocttatagt 180
aaagagtatt tgagtagaaa atggaatcat ggatgtggtg tttccttctc ttgttccatt 240
tgetcttctt ttattttcca cctctcatt ccttatgcca ccccatgac acctctgcct 300
ttgtccact tcaaaactcc ttcactatnt atgaacatcc ttattattct ttttttgtg 360
atactggnta ttcanagacg acaacatgng aaaatgggac agatngttgc tcttgngctg 420
gagtcacctg ccaccccatc tcaggtcacg tcactcagct cgacctcagc tgcaatggcc 480
tttacnggca tatncatnnc aacagtacgc n 511
```

<210> 36474

<211> 239

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36474

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tcgatgcaat taagttacac atcattcggg tgtcttattg aagaactntg cacatttgtg 60
agcaagacat aatttgggtga tgcagcactt aattaccaac ttatatgaaa atgatatgcg 120
gttatgcaaa atccacatca acaaagtga ggccacgtca atgtccattn gaaatgggat 180
tttcttttta actatccgtc catgcanaan atgagattta acttattoga agtgtaatc 239
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<210> 36475

<211> 367

<212> DNA

<213> Glycine max

<400> 36475

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attctctact acatcatcac ctgcatgcct gaaaaagaaa gcatgaatgt gccatatcca 60
atctcccttg tgtcttactt cctactttaa ctgttatcat ctttgcacct gtatacacia 120
cttctgatct tatttactcc cccatgagtg ccacagttct taattacctt gcgaagcata 180
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taattaggta taataaatta gaagtaataa tattttatta gaagaacata tatatactac 240
ccatgaaaca tgcttagtat tttagcttat tgaaattatg aattggggtt agatatggat 300
tcaccttgta ttggaccatt gaattactct tctctgccct ttatcccatc atcttgcttc 360
ttcttat 367

<210> 36476
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36476

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taacatangc accaattata gaataaattt tgagccanaa caacaagcac acttcccttt 120
cacttttttt tttcctggat actgattttt ctgccaaact gtgtgatttt tagtattttt 180
tccatttatc taaatcactt gggtcttttt gtataactgt tttccagatg tctaanaaat 240
tcagtaaaca tttcagctaa naattcaaag taaccaattc tcagtaattt ttacaagttt 300
gtatgtccaa gctgccagca ccagcgattt ttttttaaac atggatatatt gattgccttg 360
ggcttacttt caaccttcct atgtatgttg aactcactag tattgtttac cacagtnta 420
ggagttcaat attcact 437

<210> 36477
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36477

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aaaggcaagt ttgaatacgc ctccaacgct ggccccaaca gcaatagaag agccccagtg 120
gtgggcacat ggaanaagga aggagatacc cacgcggtca ccaactgcccc aacgtggatg 180
aaaacgcccc anaatgctca naactcatac caacacaacc acccgaactt ctgatccga 240
gccgggagtt ccctcccaac tcaagtagaa gggcctgccc tgacgaaaaa agcgtntgca 300
caacacgcgg ctccagccac accccgacta gccataata cgactcctaa cacaagctat 360

gacaatccgc gacgccccct gagagaccag ttctcttcta ttcccatggc gtattctg 418

<210> 36478
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36478

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cctggttcaa gcacgacttt ctttttgctt ttgttggctt gccttgcata gtcacatctt 120
ttcttttcaa tttgagcctt cacttgctca tgcaacttct tcacatactc agctntagcc 180
tgtgcatcat tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
aaaggattaa atccatatac tatctcaaat ggtgaacaat tagttgtgct atggacagct 300
cgattataag caaactcaac atgaggcata caggctgtcc aagatttaag attnttctnt 360
aatacagtcc taagcagtgt tcctaaagtc ctattgacta cactcagttg accatc 416

<210> 36479
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36479

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ggagcataaa ccacagagtc tagcgacaag tgcatacttt ttattcatgg ccagttgggt 120
tactaggtta accaaggcat ctagtttacc ttcaagcttc ttagtctcag ctgatgaaga 180
tgaattcgtg gctacttcat gcaactcctt aatgacaata gcatcatttc tggcactaaa 240
ttgctgggag tttgaagcca tctttctcaat taaatttctg gcttcagcaa gggtcagtgc 300
tccaagggct ccaccactgg cagcaccaat catacttctc tccatgttac tgagtccttc 360
ataaaaaatat tggaga 376

<210> 36480
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36480

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agattctcct tgcaatcagc caaacctgt tgaaccttag gttccaaatt ctggctcgtcg 120
atcattctct tacaatcatt tagaatgctg ctgcgatttg acgccgcagc cttcagagat 180
atcattgcc a gctcctctag gtccgcgtga tcaactgtctg ggtccgagga aagcacctgc 240
atgcacaatt cattgtttcc cctgtttttg catatgctct taattagctc cttgcctaatt 300
ttttcttccg ccgcaccgct tcngtgatgt gctagaacca accacatgca tatgcccac 360
accacaaca a 371

<210> 36481
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36481

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aactttatct cacaaggatt atttgtgaac tgtttgcctt gacgatatat ctggtttaatt 120
ctttctcagc agaagagatg gtgggttaatt cttttccatc acttaccat cacagtatca 180
cttttttttt tcttttctct ctatctctct gttatttcca tctcaatcta cctcaacttg 240
ataaatatat cacttctcat gttacgacgt tatgggtgta atcatgaaaa attgaaaagt 300
tgagtagata aaggagtggc actgcttttc ctttactcgg aagtcattgta atgtactagc 360
tagganaatg aaggaatgag aaaag 385

<210> 36482
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36482

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gtggtacctg gagatatgtc ggggggtgca ggagaccttg gggacgtcat gtgggggtgct 120
attgccccaa accaagcttg accaatccc acccaacccg ggcatagtcg gtcagtgaga 180

acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaagac 240
 cacaaagcaa ggaggcttgt gtggtggctg gccaaactgtg aatcttgtgt gatataaagg 300
 ttatggcctt tggtaatcga ttaccaatgg tgggtaatcg attacaaggc ttataaatga 360
 agataggacg ctaaaatggt ctct 384

<210> 36483
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36483

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 tatatatata tatatatata tatatatata tatatatata tatatatata tatatatata 120
 tatatataat tntaataaga gatatatatta taataaaaat attgtaaata aaattntcta 180
 attatttttt atttttaaaa attatgtgcc catcataaaa ataaatcgaa catcgcccg 240
 tcatacattt ccatctctca ctgtatatta ttattattat tattatgac attatgatta 300
 tataacacaa aagtctcctt tagttataga atatatcttt aatctgcgtg tatatctaga 360
 gaatacaaac atatactgna agtgtattct ataactatgg ctctg 405

<210> 36484
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36484

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 gtatgtgtac atgattttga taatgtcaaa gaagaatcta acaaggctgc ttcaaatgat 120
 aagcatttgc ttcaaaaata attcaagatt acttcaacaa acaaagcatt gtttcaagat 180
 tcaactaaaga ccaagccttg ccttaaaaca aagtgccttc aagacatgca aggctttgg 240
 aatcgattac caggaagtgt aatcgattac cagaagacaa ggttgagaaa tagctgttga 300
 aaagagtttt gaatttgaat tttcaacatg taatcgatta ccagcaacga aactcttgaa 360
 attcanattc aaaagtcatg acccttcana ttataactgt gtaatcgatt acacaaacat 420

448

<213> Glycine max

<400> 36485

aaacattgtc tcgataaaga taaaaataaa aaaattagaa gatgtcatct nattatttt 419

<213> Glycine max

<400> 36486

ttggcagagt gtataacat 439

<211> 392

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 ttactctctg gtaatcgatt actagaaggt agtaatcgat taccagtagc cagcattggt 180
 ttcaaaactg atttacaag ttgtaatcga ttaccataat catgtaatcg attaccaatg 240
 ttttaaaatg ttagatttca aatttcaaga gtcataacta atgataaaac attttcaaatt 300
 catttttaaac ttgtgtaatc gattacacaa tacttgtaat cgattaccg tgtntctaaa 360
 cattnntgat ttcgatntaa acatgaagag cacatctttg atgtgaatcg ataccatgac 420
 tg 422

<210> 36490
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36490

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 tgcacctggt gcaagagtct gtggtctatg ttcttctgca gatcaccata cagatctttg 120
 tccttctttg cagcaatttg gagtcaatga gcaacctgaa gcttatgttg caaacattta 180
 taatagactt cctcagcagc aaaaccaaca accgcaaaat aattatgacc tttcaagcaa 240
 cagatacaat ctagggttga ggaatcacc aaatcttaga tggacaagtc ctccacaaca 300
 acatcagcct gtccctcatt tncagaatgt tggttggtcca agcaagccat atgttctctc 360
 tccaatgcaa cagcaacaac agcagtcaca acaaagacaa caagcaaccg 410

<210> 36491
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36491

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 tgcaattgac ttaagcatac cagacatcat acacaagtat ggccaacca tgccactctc 120
 acaactcatt gcttcactac caatccaccc atccaagact tgctacatcc atcgcttgat 180
 gcgactcttt actcattccg gtttcttctc tcggcacgat ttggtcgaaa acgaacaaga 240

agtgatcacg tatgagctaa ctgatgcac tagactactc ctcaaggacc acccttttag 300
 tttgaggcct ttgttgctag tcacacttga tccaagtgtg attaagtcac ggtgtcaatt 360
 ctctacttgg ctcaaacg 378

<210> 36492
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 36492

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 aaaaagagga tccactacct atgatgttaa gtaacataag ggaacttttc tcttgctatc 120
 attctctatc tggtttttctc tctagcatac ctaaccattt tattaagtca aatcatattt 180
 aagttattaa tcttggtatgt agatgacaat tattcactta agttccttgc agttaattat 240
 tagcattggt tttaaagggt agtttagtatg tttggactat atataggata ctgatagtaa 300
 ttaaataaaa tttgttttgg caccttatgt gctaattagt acatttcgat agatttcaac 360
 catggattac cttcttacct ttcgtaa 387

<210> 36493
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36493

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 attcaatagg taaattgatc catctgcgct atttagatct ctctcattca agtgtagaaa 120
 cactgccaaa gtcatttgtt aatttatata atctgcaaac tttgaagttg tgtgggttgca 180
 tcaaactgac taagttgctt agtgacatgt gcaatcttgt taacttgctt catcttggtg 240
 ttgctgatgc tcctataaaa gagatgccga gaggaatgag taaattaaat catttacaac 300
 gtctggatct ctttgttgtg ggcaagcacg aacagaatgg gatcaaagaa ttgggaggac 360
 tctccaatct tcgtgggtcaa cttgaaatta tgaacttgga gattgtctcc c 411

<210> 36494
 <211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36494

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atTTTTTTca gaaagacttt taacaaaata agaaaagaaa agTTTTTcat aattacctta 120
tacacaacct aatgatagaa gctctttcat attagttttt ttcaaaagat atTTTTaaat 180
tatgtataaa ctaacattaa cttatagata agTntattta atTTTTTTTc tttctatttt 240
cctTTTTttac tagtacttct aaatacattt atccaaatag acccttaata ttaatatata 300
tcaacaatac ttacatccaa atgatcactt aatcaagact tgaaattatt ttatataaaa 360
taaccagatt aattaaccaa ttacgtgctt gggtttcatt tctaacaatca atattagtaa 420
ttatttagaa ctttt 435

<210> 36495
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36495

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ttcaaaaccc cgtacttaag gcattacact tctttatcat taagtggaaa tagttaaggg 120
tanggaccac ttttaactttt tcacttaaaa taagccattt ggatgggect tcttgcattca 180
acacagcccc taanccaaca ttttgaagca tcacacttca atttcaaaag atTTTTgaaa 240
agtttggcaa cgcaagtatg gnggcattag ttagctnttg cttaacattg aaagcttctt 300
gttgtttctg tccccatttg anaccaacat tnttcttgag cacttcattg agaggtgctg 360
ccaatgtgct aaaatcattc acaaatectc tataanaact tgctaagcca tganaactcc 420
tcactn 426

<210> 36496
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 36496

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 gtgattctca ccatggagat gcagcggacg acaaaggaga agaagatgta agatgcgacg 120
 ccatccacta tggaataagc catggaagaa agagcttcac caccaagatg agcctnggat 180
 aagaagcttg gagaggatgc ttcaatggag gaaaagaaag agggagagat agagagatgg 240
 gggagcacac aaattgaagg aagaaataaa tgagagaagt tgaactttga gttgtgtctc 300
 acaagactct cattcatcaa agttacaaca agtggttacac atgcttctat ttatagact 359

<210> 36497

<211> 174

<212> DNA

<213> Glycine max

<400> 36497

cgtctcactt tcatgcagaa cacaaatgcc ttcacaaccc atgttggtct gtgaggtggt 60
 tgatgtccgg gtatagactt tatgggccct tctgtctct tttgggtttg cttatattct 120
 ccatgatggt gattatgtct caaaatgggt ggaagccaaa gccaccagaa ctaa 174

<210> 36498

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36498

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 gccattaagt ctatcatatg ctgacaatag ccgagaagcc catgaatctc ttcnggggcg 120
 gagtangtgt ctgccatgc cttggccttg gctaacaatc ggagaagttc ttgactcccg 180
 tncaaggtaa gagcanaccg atccatccac atgggtgcct cttgggtgtaa agagtcgatc 240
 acccttctc tagcctctnt ttccgcgtat acttgggcat attcgtccgc aatcctatgc 300
 tcgtgggccc cggt 315

<210> 36499

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 36499

acaaaagtgt tacaacagaa cctatcgggt tctaattata tgggccatta aatctatcat 60
 gtgttgacag taattgggta gcccgtgaat ttctctcgg gctgaacaca ctncggccat 120
 ggcccttgct ttggctagta gtcgcgggag gtcttgactt tcatttaagg tcaaggcgaa 180
 cctatccatc cacatggctg cttcttgatg caatgcatca atcacccttc ctctngcttc 240
 cttctcngcg tatgcttggt cgaagtcctc tactagcctt tgctcatggg tcanagactg 300
 gtttaaactct tctttgtact accctattat agctagcatg c 341

<210> 36500
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36500

agctngagct ggggaattttg atncatggat nnctcaagaa gaagatagat agtgacatgt 60
 ttgtatggtc tgcattgatt gaatagtatt caaagtgtgg acaaataaat gatgctgtga 120
 tagtgtaaac agagtatcca aaaccagacg tggctcttat gacttcaata attactgggt 180
 atgagcagaa tggaaatgct gaacttgac atgcncattt ctcccgaatg gatgtgtttg 240
 agctagtaag tactgatcca cgaacacttg ttaatgctgc ttctgcttgt gacgcagtat 300
 ctgattctaa ccttggaaga agtgaacatg gaattgtcaa acgaaagggt tttataactaa 360
 gtatgtttgg caattcta 378

<210> 36501
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36501

gcctcattaa actatatatt tcccgaagg ttttttttta taagcctcct atttttaatg 60
 gcgtgggtta ccattattgg aaaccccgca tgcaaatttt tatagaagca atagatctaa 120
 atatctggga agccatagaa attcggccct acattcccac tatggtggaa gcaaatacaa 180

ccatagaaaa aactatgaaa gaatggagtg aagatgacaa gaaattagtt caatacaatn 240
 taaaagccaa aaatataatt acatctgctt tagggatgga tgagtacatt aggggtatcaa 300
 attgtaaaag tgaaaaagat atgtgggata ccctacacgt aacacatgaa ggtacaacaa 360
 atgtaaaaag atctgggata aatacattga ctcatgaata tгнаататтt agaatgaatc 420
 ccaatgaaag catatatgat a 441

<210> 36502
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 36502
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 tgtccgcca gtatacagaa cctatcaact ctagtgccta tgtacaaatt atcatacact 120
 tcaaattcac tctagaaaca aaaataacat gaaaaattga catacaaaaag gccaggttat 180
 gactgaactc caactgaaat ccagccatct gatggcatga cacactagaa agcatataaa 240
 ccatctcacg tttacgcctt acgatatcat ttcttgaaaa c 281

<210> 36503
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36503
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 ttaagaacca actcttcttt aaattcaagc tattangtgt agttgaatgg ttctatatct 120
 ttaacacatg ttgtacttta tttgcagttg aatggcttcc atgtaagctt gtacccttga 180
 atattaagag agattatcta atacgcatga ttttcttaat attatccaat tattcaataa 240
 tgactttaat tctcatatgc ttgattttct tcttaattat tctaattatt tatgt 295

<210> 36504
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 36504

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 gtgctactac cacaattcca agctcacggg agagtgaagg agccaggtat gaccaaactt 120
 ctctgtagt ttaacaaacc aagcaggaag atgatatgtc aaggtgatcg aacgtgcaag 180
 agaagtgcac aatcgcgcat tagatatgaa aatttcaagg acggtgctgg gtataaatcg 240
 caagtaatct tctaacatac aaagccgatt tgtataaaac cggctttgta acattcacat 300
 cgnaggcggg tttataaaaa tcttcgtgga tgccttcata aagttgaata aa 352

<210> 36505

<211> 226

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36505

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 gatgacaccg atgttcacaa attaatgtta gcatccgggt ttaaacaac cgatgatcac 120
 atcaactagt tcacattagt gctttcaata tcgatgtcaa ttaaccgaat ctattaccac 180
 catgctcttg ataacatcag tttttagaac aaccgatgct aacata 226

<210> 36506

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 36506

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 ccatttgctt cgaaagtntc atggccttgc aggtgaagac ccgcaaaaac atctaaaaga 120
 attccatatt gtctgatcca ccatgaaacc cctagatgtc caggaggatc acatatttct 180
 gaaggatttt cctcattctt tagagggagt ggcaaaggac tggctatatt accttgctcc 240
 aaggccatc acgagctggg atgacctcaa gagagtattc ttagaataaa ttttccttgc 300
 ttctatgacc acaaccatca gaaaagatat ttcaagaatt aggcaactca gtggagagag 360
 cttatatgaa tactgggaga gattcaagaa actatgtgcc agttgccctc acca 414

<210> 36507
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36507

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 cgaggcgctt ccgtaacggt tccgtaatgt ttccgtgggt gatttcgcaa agattttcaa 180
 ccgttcttcg tcgttcgtca ttcgttcttc gtcgttcttc ggtcttcaaa tcggttaagtt 240
 cccaaaatcg aacttttcaa ttcattctat gtacccttag tggtcctcat ttgtttcgcg 300
 tgcttttatt ttcatttcat ttactttcgc taccctcctt ttgacgtgct ttagtcattt 360
 acttaagtca ttttctcgcc taatcaaana taaaataaat ttccatcgat catttgaatt 420
 gaacatctgt aatttctgta aaatgaaatc gaccgtcg 458

<210> 36508
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36508

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 agtcatatga gagattttgg ttgtacaaca tatgcattag tagatataag gactaagctg 120
 gatgataaat ttgtcaaatg tgtatttatt ggctatgcta cttagtcaaa ggcatacaga 180
 ctgtataacc cactaactgg caagataatt gtcaatagaa atgttgtatt tgatgaagat 240
 gcaagctggg ttcggggagga atgtgaaatc agtaacagtg tttagcagaa atcagtcagt 300
 tttgatgggt cataagaggt ctcaaagtgt ccagactatg atcacactcc aagccctcat 360
 tcaacgccat caagccagtg atcattagct cttcaagcc atggatcatc tagctcatc 419

<210> 36509
 <211> 269
 <212> DNA
 <213> Glycine max

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36512

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aaggagagtc tctccaattc ttaaacccta atcttggtgt ctttggaagc taaccttcat 120
tgaatggtgt tttgatgttc aaaatttcat agctactgca taggctggaa ctgtatcatg 180
tggtgtttct cttgtaattt taaggtaaaa aatgagttat ttgggtgcc aacttaagg 240
ttaaccttat atttcaccta aatcatagtt ttctagtaaa agttatgaac aaaacaagtt 300
taaagaatca cgataataaa tcggagtttt ctagtaaaag ctatgaacaa atcaggagtc 360
tttatggatg tatggaccat ttttcataaa tatttgactt caciaacgag tttttaagtg 420
tgaaaatata tgggaacatg tcaaattcat 450

<210> 36513
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36513

agcttggatt tgggtcacgc tggcgctgta caactgggtca ngaaaattat tntccattct 60
tagtggctnt tacacatgag gtatgactca actgcatgta cttacactag ctatgtctgc 120
taaattcgac tccaaattcc aacaaactcc atgcagaata cgcaactctn ttattgaatg 180
ataatattag gattattaat aatttaaaca taatattgct ctctttttta tcaatagttt 240
taaaactatt acaaacgaat gaacacaaat atttgaatta ataaattaat atttactact 300
atattttana ttaatgtatt gngcaatgat atttgaatga tggtanggca tgtntgatag 360
gagatcaaaa ttntaatttt aacaaattat aggttgaaca attaatttct catgt 415

<210> 36514
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36514

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 aggtgatgac aaaaagctca aagatcaatc aaagaacaac tcaagtgaat caaagatcaa 120
 tcaagaacaa ttcaagagtt caagataaga atcaagaaga attcaagact caagaagaaa 180
 gtttagagtc aagaatcaag attcaagggt caagatctca agaatacaaga tcaagattca 240
 agactcaaga ttcaagaatc aagagaaggc ttaatcaaga taagtatgaa aagggtnttc 300
 tcanaaattg aatagcacat gggtttttctc aaaacatggt taccaaagag nttttactct 360
 cttgtaatca attaccatat tggttgtaatc gattaccagt agcaaatgg atnntgaaaa 420
 gttttaaaat tg 432

<210> 36515
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 36515
 atcttgtctt aagggggtac ggaaggtaaa tgaaatgaaa ataaaagtac gcaaaacaaa 60
 tggggaccac caaggttaca tagaatgaat tgaaaagttt gatttcggga acttaccggt 120
 tgaagaccga agaacaacga agaacgaacg aaggatggcg gaaaatcttc acgaaatcac 180
 ccacggaaac gtctcgaacg agttacggaa gcgcctcggc ttggattttc ttcacggaaa 240
 cgatttttct cactaatttc aagtgatcct cagataccaa gaggggttgaa tgcttttgtt 300
 cttccctcct cccctatatt atatggaaaa gaggggaaaag cttgccaccc agctcgccca 360
 ggcgagctgg 370

<210> 36516
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36516

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 gggcccaagt gggcctgggt gctatttgca cccccacttt tactaaatac acccctgcc 120
 tttttttttg tgattctttt tccgtaatgt tacgaaactt tacgaatttc gtaacgatac 180
 ttatttttct tccgcaaggt tatgaatcct tacggattat gtatttactc ttttttagct 240

ttcgaagaag ttacggaaac ttacggattg cggaanaaca cctcttttcg acttccgcca 300
cattatggaa tttcacggat cgcgcaagct tgcttccttt agatntctga gacgtctcan 360
gacttcattt attgtgcaac aaaggacgcc aagtatctca aagc 404

<210> 36517
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36517

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agtcacctgc agcatgcaag ctttcgttta cagacagcaa taagttattc ggtaccactc 120
gggtttttccg ccctcagcgt gactcaaaat caatatgaca gatcctgtga gcgtggaaga 180
tgacgttaat ctccgcgtgt caacgggcct tgteggcgcg atggacgaaa ggcgcagaag 240
acgacattag tctatgcgtg ctatcanggc tttcatctta cagacagcaa aaagtttata 300
cggataacca ctcggttatt tccgcccgtc agcgtgactc aaaagtcagt atgacagatc 360
ttgtgagcgc ggaagatgac gtaaattctcc gcatgtgaac gggctagtcg gacgcgattg 420
acgaaggctc canaagacga cgttagtctc tgcggtgctat caggcatttc ggtctacaga 480
cagcaacaag tttatacgga taccactcg 509

<210> 36518
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36518

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gttgacacgt ggagatttac gtcattcttc gcgctcacia gatctgtcat actgactttt 120
gagtcacgct gacgagcgga aataccgagc tggttatccg tataaaacttt ntgcattctg 180
taagatgaaa agcctgattg caagcagaga ctaacgtcgt cttctgcgcc cttcgtcaat 240
cgcgatcgac aagcccgttg gcacgcggag atttacgtca tcttcgcgcg tcacaagatc 300
tgtcactactg actnttgagt cagcgtgacg ggcggaaata gctgagtggg tattcatata 360

aactttttga tgtct 375

<210> 36519
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36519

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tatgaaaaga gaggacttga atacaggtaa gtataaaaga tagaccagtt ttgtggtgaa 120
agaataaatg aaatatctgg ctcanacttg attcaatgac ctgaatagct caaggaaata 180
taagcaccta tgatggttat ggcacgtact tcaacaatta attcatttta gaaactataa 240
taattgatac gaaataaaaat gtgtggaaat attgagacca tactgcaaata gagcaagtaa 300
tattcatctt gaggttccaa gtatatattg atggctacac agattaatcc cttgaagtta 360
atatactaa 369

<210> 36520
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36520

cacacagatt cagaatgaga agtgccaact tgactataac tttgtgcaga atcccaatta 60
gatgaacctg ggctttcctt caaggaagca aactgcccatt tcttccgatg catcctagca 120
agaataaaaag acagcaaaaa cagaacagaa aaaaaattat aaatatagaa gaacaaatca 180
aacttcaaaa acaacctgca atcaaacaaa acctacaaga atccctcaaa atggcactca 240
agtaccaact atcaacacaa cacattatgt tcctcagtc ttagctgttg agaaatatgc 300
tcactgattt gactntacct gataacaact caggcctaatt atttcatgat aaaaaatttc 360
aatgtaaaaa caaathtagt cagaccagac nactgacctc ttttcattat aaatctacat 420
atg 423

<210> 36521
<211> 418

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36521

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gacacagaat tcaccaacaa cataactctag tgccctcgntt gcattatgta tcaatttacc 120
atttgtggtgc aaaataagag tgattttcacc acaaacccta taggtgaaca caaacatcat 180
tattttgtatt ttcacaaaacc ttgttttatac acaacatcag taatgaaaaa gtataaatac 240
aatttttgaga acccaaatat aaacctccaa atgaaacatc attcaaaaaa aaggaacaag 300
aagccaaatg aaaaaagagc atacaatgca caaaaggaaa tgacttcacc ttctagggcc 360
aagaaaaaat gagatgcaat gtggatgacg atatatagat atgcgaagaa aatgagtg 418

<210> 36522
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36522

actcaagctt atcacacaaa ggtgttgctt tgtgtggagg aaccattntc tttgggttttc 60
tctctgactt tnacaataag tatgtggtca agaaacacca cttgagtcac gacacccgtt 120
ccagtggaga caataattga ggttccaagg gtgttagaca tcatgggttg atggtaggca 180
aacatctcac tcatgtggtt cttcaacact tgaccaatgt taggtggcat tttaccactt 240
ggtatagtgg cttttgtttg caatgctact atgtgcctta cttgcacaac ttttagtggg 300
aacttttcat aagctgtttc tctagacaac attattccgt tagaaccttc ttgaacaaca 360
attactaaat atgatacctc tattctgggt agagtcgggt gaacaatcat gttgtctagc 420
atatgtgatg ccacaataac agtcttttcc atgcttagac acaagtttat tacc 474

<210> 36523
<211> 391
<212> DNA
<213> Glycine max

<400> 36523

acgccggtga tggcatggct tcaaacaac tatacccaca tcaaagagat agcgctaaaa 60

aaacaccttg cttgagatct gcatacaaaa aattgtgata tcaaataacg ccacacctga 120
gcctctcaat attaactaaa gaataaatag ctagtcaaat atttattaaa gatacataaa 180
ccaagagtag ctactggcga gctacacacc gacatcaagc tctcggtgc ttgcataaac 240
tccggggcatg gcatcaatca cgcccgcaag aggaatatct cgtcgcaaga cccggtgcct 300
agccgggtctg accattgcta agccaccccc tgaatccaac cctcgcgga cgtcttccg 360
cgtgatacat gcaccaaccg tacgttctcc g 391

<210> 36524
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36524

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gcataaacca caaactcttg tgataagtac agatttctaa ttcaaggcta gctgggttac 120
cagggttaact aaggcatcta gtttaccttc aagcttcttg gtttcagctg ctgaagatga 180
atccgtggct acttcatgca ctctctaat gactatagca tcatttctgc cactaaactg 240
ttggggagttg gaagccatct tctcaattaa atntctggct atagcagggg tcatgtctcc 300
aaaggctcta ccaactgtag cattctatca tacttctgtc catgttactg agtccttcat 360
aaaaatattg gagaagaagc aactctgaaa tctgatgggtg agggcaactg gcacatagtt 420
ntttacatct ctcccantat tcatacaagc tctct 455

<210> 36525
<211> 519
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 36525

aggaggaggg gnnggcctcc cgcttaccgn nccnccccac ccccggannc cgcaccgacg 60
ancnnntana cnganntgan gnatgnaagn ttgaatttat gattgtataa tgggtgaaant 120
tnntgggtttt attngttgag ganagagtgg tanttggaga tatgtngnga gggtnaggag 180
aaaattggga ngttaggtgg ggtggtattg nnnaaaagna agnttganna attttgaaaa 240

aannngggna tagtaagtna gtgagaagnt gtgatgtatn taataagggg agttttntgg 300
 ngtnaataga taatagaata aagaaaanaa agnatggagg gttgtgtggg ggnttggng 360
 atgtgaaatn tgagntgtat atgggatatg gantntgggt atagattaan atgggatgggt 420
 tattgattat taagattaat agtgagaatt ggaaatttaa atgatnttta ataagatgaa 480
 ttgttaatat agtaatataa angttaagaa tttgtattg 519

<210> 36526
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36526

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 cctagtacca catgtgatgg gtaccccata atcctacaag cttgagatga ggaagtgtag 120
 aagggtgaaa cttcctgctn ttattcgttg accacagagt ggtacctgga gatatgtcgc 180
 ggcgggtcaag agaccttggg gatgtcaggt ggggtgctat tgcccanaac caagcttgac 240
 caatcccgac ccaaccggg catagtcagt cagt 275

<210> 36527
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 36527

tgtttgagat gaagaagtgt tgaacggtga aacgtcctgc ttttatttgt gaccacagag 60
 tggtagctgg agatatgtca cgggggtcag gagaccttgg ggacgtcatg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatccga cccaaccgg gcatagttgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggttgtg gtggctggcc aactgtgaat tttgtgtgat atgtgattat 300
 ggctctgggt aatcgattac caacgggtgg taatcgatta ccatgcttat aaatgaagac 360
 aggaggctaa gatgggtctct ggtaatcgat taccacggag tgtaat 406

<210> 36528

ttttcactcg gaggaccgat tcaggcgcat aatatatcga gacgctcgaa attgaacaac 240
 ggaagctctc gagaaattca aatggtcata acttttaact cagagggtccg attcaggcgc 300
 ataatatatc gagacgctcg aaattgaaca tcgaaagctc tctagaaatt caaatgggtca 360
 taacttttca ctggg 375

<210> 36531
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36531

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 aatccattaa gttgattaag cagctccatt agcggttctct gaatttcacg atctgcactt 120
 gttccctcat tgaaacgacg acctccaatg gcacatcatc catccataaa aatgatgcac 180
 gactaatcaa gaaaagtata gatttagaac atgtntaaat tagtatgtgt aaacctatag 240
 gaagacaatt tcgcacaagt acctcacctg gtgatcacgt gcataaccaa acatctctct 300
 cattaacttg gcattttctc caatgtactt gtcaattatg gcaactggccg aaacaaccta 360
 catcagaata 370

<210> 36532
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36532

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 gtatcgttgg cttcattcct cacctaccaa atagaaacta ctgtctctct gacaaaatca 120
 tggcctcatg ggccataata tgaagggaat tcgaaaatta ccagattcca tacctcattg 180
 attaccgga gaccattgat tctataactt acaagagcct ccagagtgtg aatccaaaaa 240
 atatataaat aaagtaaact acatgattta naactatata gaacattgag ttaccttcat 300
 caacggtaat ggtgtgtttg acaacatgcg aatcttgctt ctttgtcatg aatcagcaa 360
 cgggtgaagt tccatatagt agcaatgacg ccaaaatgca aacacatana aaaaagaatc 420

t 421

<210> 36533
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36533

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 caccctaat agcaggtagc caaaaatagt tcttttataa ttattttgtc ctcataatttt 120
 ttttaatat catgtagaag aagagtagc tcttgatata acagttaa atgtcgtcacc 180
 tgatatacat agagagtttc gtgttacctc tattgattat gcatgacgtg ttacgtgata 240
 gtacatttca ttttcttagt ttaattactt ggcgttccat aaagtgaaat gcacgtatat 300
 aagaatatat taatggcatg tcaatgtccc cttaatacaa atg 343

<210> 36534
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 36534

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 aaaagatgct tataatgtga tcgtattang ataaagatgt attcangtca ttggctaaaa 120
 tttttataca taggttaaaa tgtaattctg atttctttat ttttataaat ccatgatttt 180
 agtttccatc ttttaaaatt gagatattta gtccttcaat tttctaagat tcttaatttt 240
 ggtcaattca ttcatttgag atgggttaatt gttaattgat taacgttgat catttatctg 300
 gttttttatt ctcatTTTTT tattaccgag taaaagaatt ttaaaaaaaaa aatatttgac 360
 gatattgggc cncgtgtctac ctggtgagaa tcccaaagct gcccaaatat anggatctat 420
 g 421

<210> 36535
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 36535

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ctaaataaat caaaagattt gaagtttgtt tgctcactga ctaattctta attgccttat 120
agacggatat gaaatctaag ctctagtatt ttctctttac atatacaaag tgttttgaaa 180
gcgtttcaaa ctttacaaga atatacaaaa ggctttatac aaaaataatt tgaatgatag 240
cgtgtaagtt catgtcttgg ttctttaaag ttcttagtat ttataggtct tagtgtctat 300
tgtctctaaa tggatagatn tcttcacttg agcttgcata tgaagattgt ggccattgaa 360
gcatttaatt tttgtattaa atgctcatac ttcttca 397

<210> 36536
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36536

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cctggagata tgtcgcatgg gtcaagagac cttgnnggacg tcaggtgggg tgccattgcc 120
caaaaccaag cttgaccaat cccgaccaa cccgggcata gtcagtcagt gagaacctgt 180
gatgtacctt aacaggcgag ctcttgccag tcaacagata aaaggaacaa aaccacaaag 240
caaggaggct tgtgtgggtg ctgaccagct gtgaatcttg tgtgatatat gagttatggt 300
ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttanaaa tgaagacagg 360
aggctaagat agtctctggt aatcgattac caagggggtg aatcggttac caggcttgaa 420
a 421

<210> 36537
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36537

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cagtcaaggt ctgagagacc atacaagttt cctaacgatt tctaattatg tgggccatta 120